Content

The first unit		page number
Materials used in the Teacher's Guide book		6
Significance of some vocabulary from the teacher guide book		10
General revision		17
Lessons 61, 62 :	Money	23
Lessons 63, 64 :	Decompose Money	28
Lessons 65, 66 :	Adding and subtracting without renaming	35
Lesson 67 , 68 :	Adding by renaming	40
Lessons 69, 70:	Subtracting by renaming	44
Additional activities and assessments of Bakkar on Module		

The second unit		page number
Lessons 71, 72 ,73 :	Even numbers and odd numbers	47
Lessons 74, 75:	visual pattern	54
Lessons 76, 77:	Apply on the pattern	61
Lessons 78, 79, 80:	The array	67
Additional activities and assessments of Bakkar on Unit		74

The third unit		page number
Lessons 81:	Estimation	79
Lessons 82, 83 :	Approximation	85
Lessons 84,85,86 :	Adding by renaming	91
Lessons 87- 90 :	Using strategies to adding	98
Additional activities and assessments of Bakkar on Unit		103

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Content

The fourth unit	page number
Lessons 91 : Relation between addition and Subtraction	108
Lessons 92, 93 : Addition and subtraction on number line	113
Lessons 94, 95 : Subtracting without renaming	119
Lessons 96 - 100 : Subtracting with renaming strategies	125
Additional activities and assessments of Bakkar on Unit	135

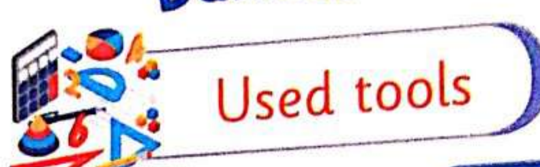
Fifth Unit	page number
Lessons 101-103 : Circle spliting	140
Lessons 104 - 106 : Devided rectangle	146
Lessons 107 - 108 : The fraction as a part of a set	151
Lesson 109 , 110 : Solve word problems that include fractions	158
Additional activities and assessments of Bakkar on Unit	164

The sixth unit	page number
Lessons 111 - 113 : Representing Data	169
Lessons 114 , 115 : Application of Arrays	178
Lessons 116 - 120: Problem-solving strategy	184
Additional activities and assessments of Bakkar on Unit	192

Applications	page number
Bakkar 's various applications on the curriculum	196

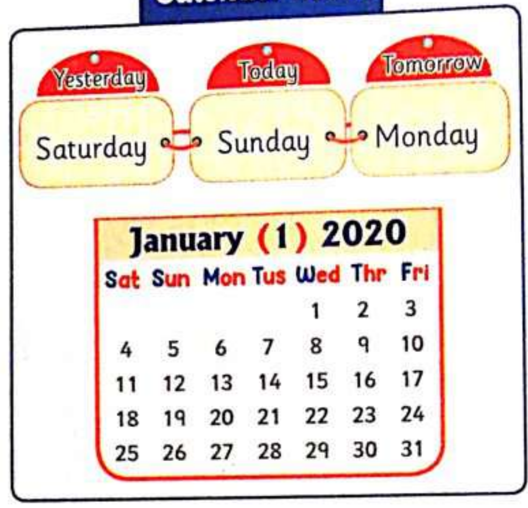
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Bakkar



Used tools

Calender math



January (1) 2020

Sat	Sun	Mon	Tus	Wed	Thr	Fri
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

120 frame

111	112	113	114	115	116	117	118	119	120
101	102	103	104	105	106	107	108	109	110
91	92	93	94	95	96	97	98	99	100
81	82	83	84	85	86	87	88	89	90
71	72	73	74	75	76	77	78	79	80
61	62	63	64	65	66	67	68	69	70
51	52	53	54	55	56	57	58	59	60
41	42	43	44	45	46	47	48	49	50
31	32	33	34	35	36	37	38	39	40
21	22	23	24	25	26	27	28	29	30
11	12	13	14	15	16	17	18	19	20
1	2	3	4	5	6	7	8	9	10

Some tools



Ruler



Sharpener



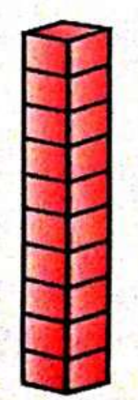
Rubber



Pencil



Crayons

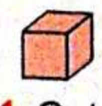




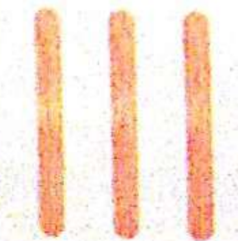


10 Cube = ten bond

Paper watch



1 Cube



Ice-cream stick



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Bakkar

Five frame

Ten frame

Digital watch

6 : ..

Analog watch

Hundred , Tens , Ones cards

hundred	tens	ones

tens	ones

Odd	Even

Even/odd	Double	Number

Place value table

The amount	Hundred (100 L.E)	Tens (10 L.E)	Ones (1 L.E)
Sum			

Facts home

= +

= +

= -

= -

v Dice

Parents can add new ways from the around environment which doesn't include in teacher guide that to grow the student ability to improve the different concepts

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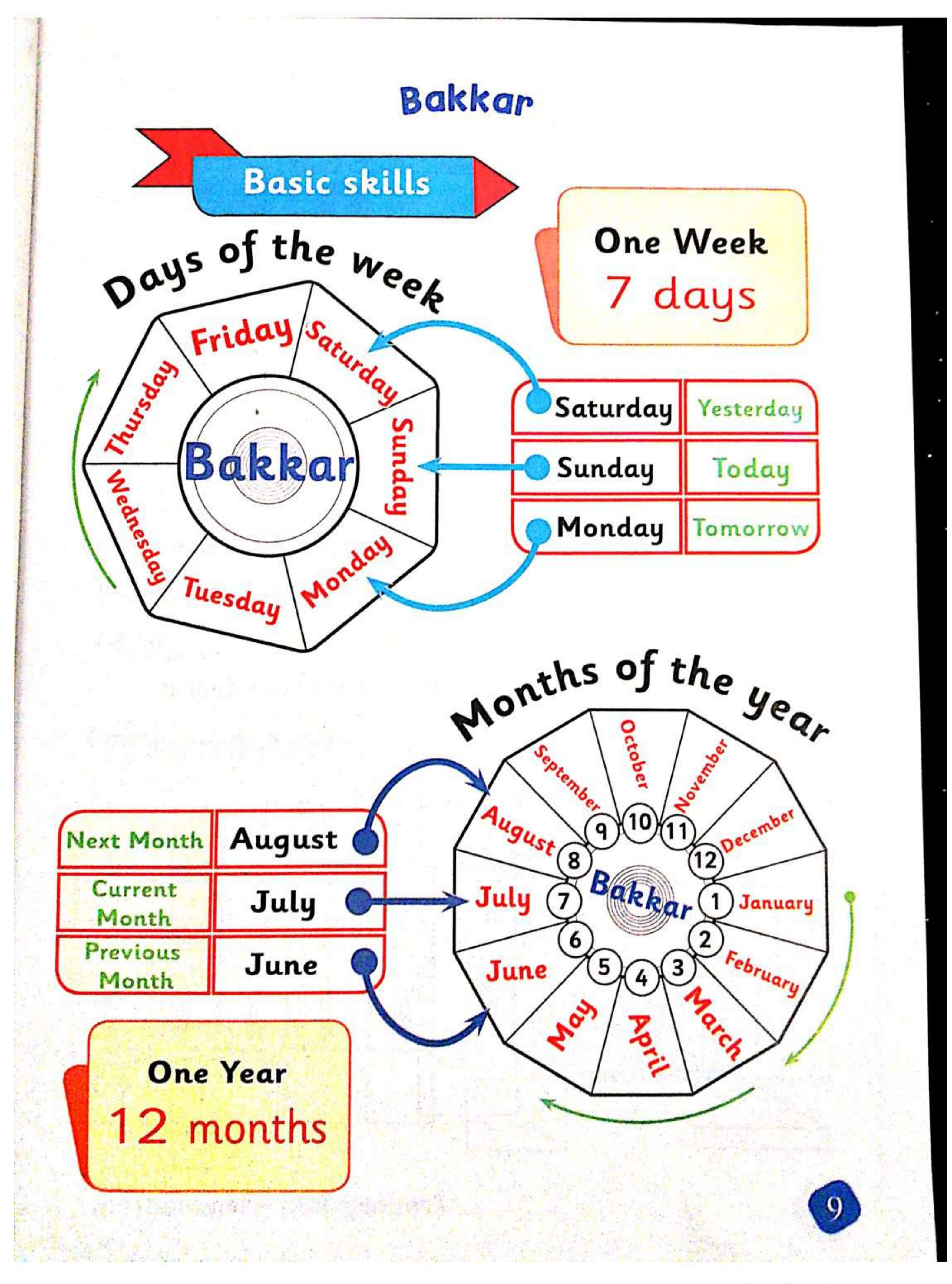


- **The general aims :**
  - (1) Gain the earlier mathematical abilities
  - (2) Develop the basic mathematical skills
  - (3) Increase the mathematical enjoyment
- **Maths pamphlet (Student book) :**
  is a good resource for students evaluation
- **The content :** is what students discovering or learning it
- **The evaluation :** is what teacher discovering it about pupils
- **Update of ideas :** change the ways continuously that adapt to different ability of pupils
- **Planning :** is what helping for achieve more success in processing operation
- **Correction maths :** by this activity the student can develop their knowledge about numbers, place value
- concepts, fluently counting and problems solving skills
- **Sharing :** by this activity the student can explain what he understand of maths
- **Using digital resources that is found in (Egyptian knowledge bank)** as a way to grow the education level



Egyptian Knowledge Bank
بنك المعرفة المصرى

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General revision

Bakkar revision 1

1 Complete :

65	40	86	50
+ 13	+ 50	- 25	- 50
....	....	....	....

2 Choose :

a) The place value of 4 in 645 is .... (ones ، tens ، hundreds)

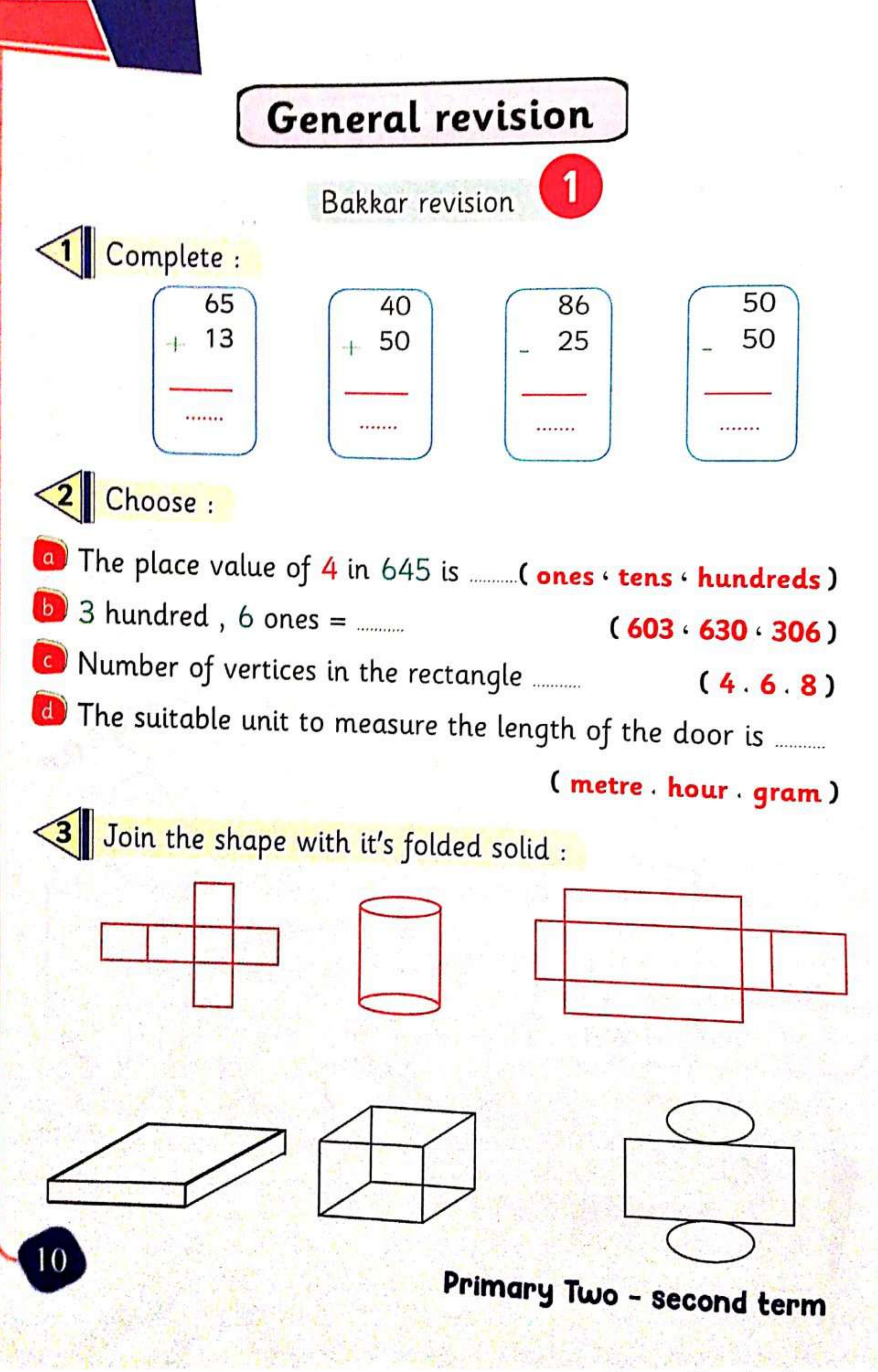
b) 3 hundred , 6 ones = ... (603 ، 630 ، 306)

c) Number of vertices in the rectangle .... (4 . 6 . 8)

d) The suitable unit to measure the length of the door is ....

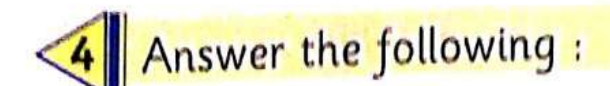
(metre . hour . gram)

3 Join the shape with it's folded solid :



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4 Answer the following :



a Dina bought 1 kg of apple , 3 kg of cucumber , 1 kg of pepper .

What is the total weight with Dina ?

The total weight = ... + ... = ... kg

b Who am I , I'm 2D has 3 vertices ? ....

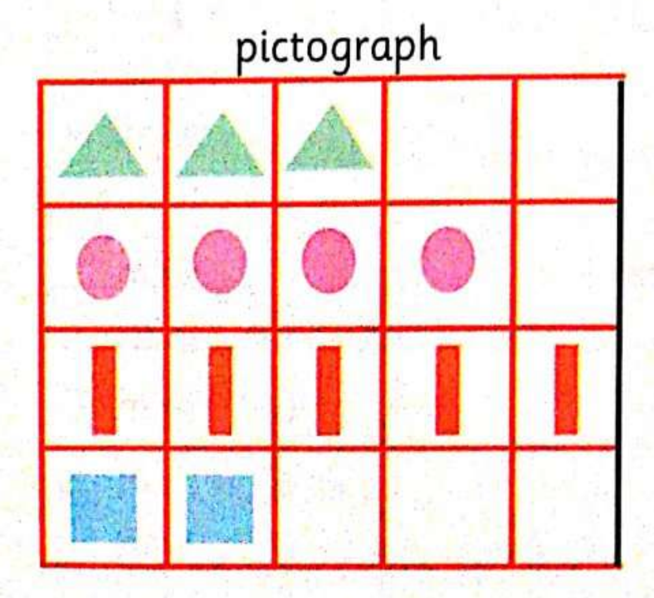
5 Arrange descendingly :

15 minutes , 1 hour , half an hour , 45 minutes

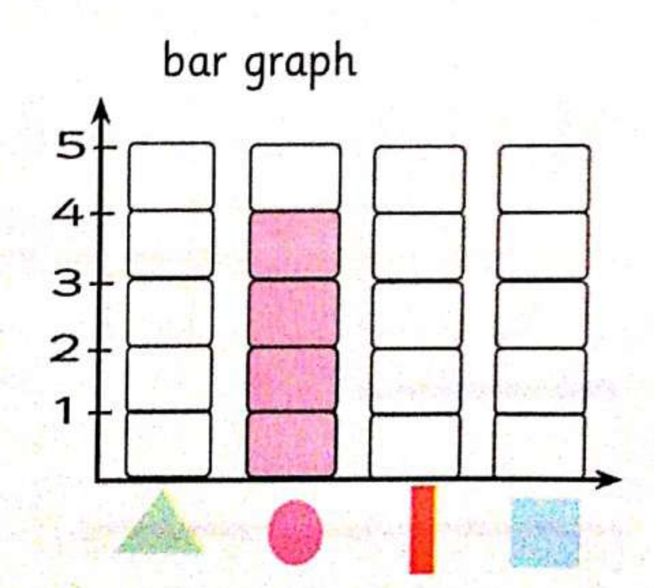
The order : .... , ... , ... , ...

5 From the pictograph colour the bar graph :

pictograph



bar graph



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Bakkar revision 2

1 Answer the following :

23 + 59 ——	62 + 30 ——	85 - 71 ——	96 - 54 —— ....

2 Choose :

a) The value of 7 in number 756 is .... (7 . 70 . 700)

b) Half a day = ... hour (12 . 24 . 60)

c) 568 = 8 + 60 + ... (5 . 50 . 500)

d) The number of edge of the cube is .... (3 . 12 . 5)

e) 1 gm (.......) 1 kg (> . = . <)

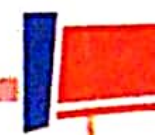
3 Using the ruler measure the length of the following :

(.......) cm

(.......) cm

(.......) cm

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4 Answer the following :

a My mother went to the market she bought a vegetable for LE 35 ,bread for LE 3 , meat for LE 40 , and paid LE 15 to the taxi . How much money did she pay ?

She paid = ... + ... + ... + ...

= ...... + ... = ... pounds.

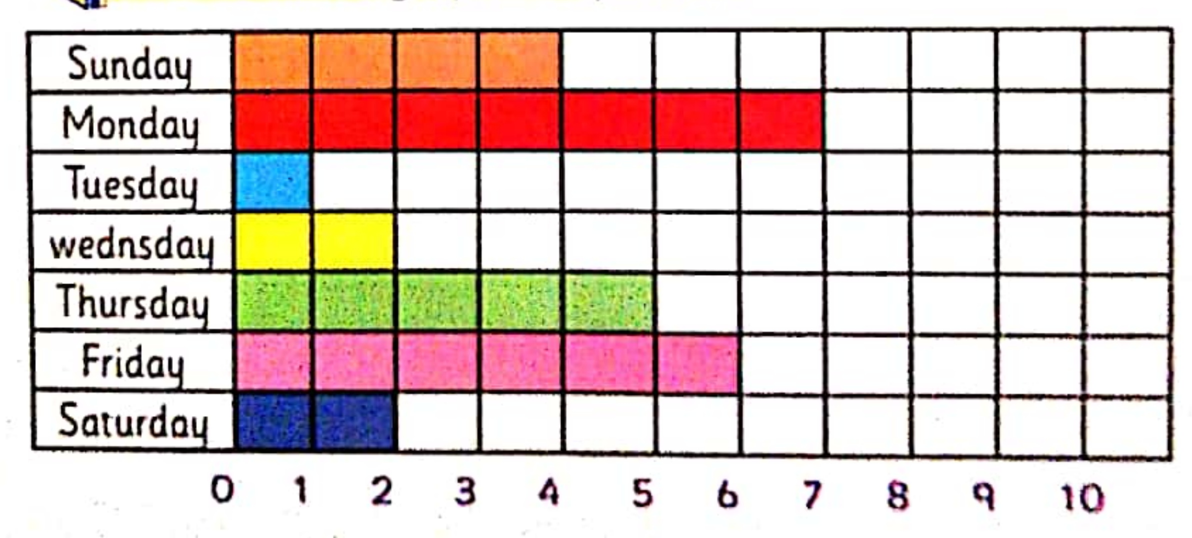
b Who am I , I'm 3D has 5 vertices ? ....

5 Arrange the following number in an ascending order .

10 . 706 . 37 . 165 . 73

The order : ....

6 From the bar graph complete :



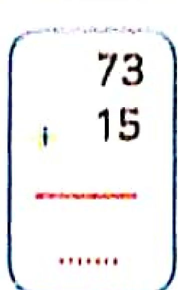
- **Put (> . = . <) :**

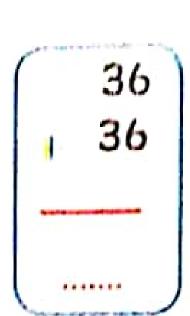
Number of coloured days at Saturday  Number of coloured days at Monday

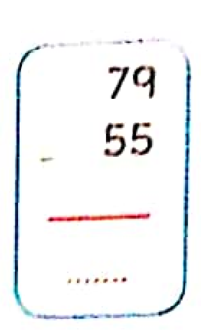


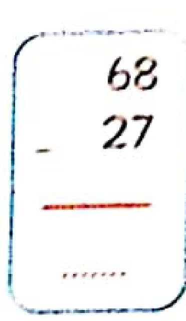
Bakkar revision 3

1 Complete :









2 Choose :

a) 4 hundred and 1 in digit .... (104 ، 401 ، 140)

b) Quadrilateral with equal sides is ....

(circle ، square ، trapezium)

c) The value of 7 in 716 is .... (7 . 70 . 700)

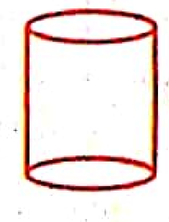
d) 635 (.......) 365 (> . < . =)

3 Arrange the following in a descending order :

7 kg ، 10 gm ، 15 kg ، 3 kg .

The order .... ، .... ، .... ، ....

4 Write the name of the following solids :







....



5 Answer the following :

a A class has 63 puplis , 33 are boys .

What is the number of girls ?

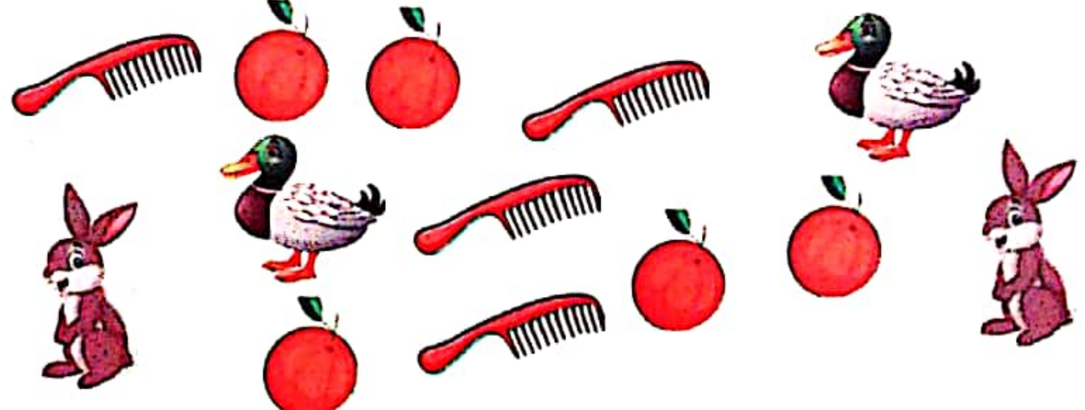
Number of girls = ... – .... = ... girl

b Write the time :

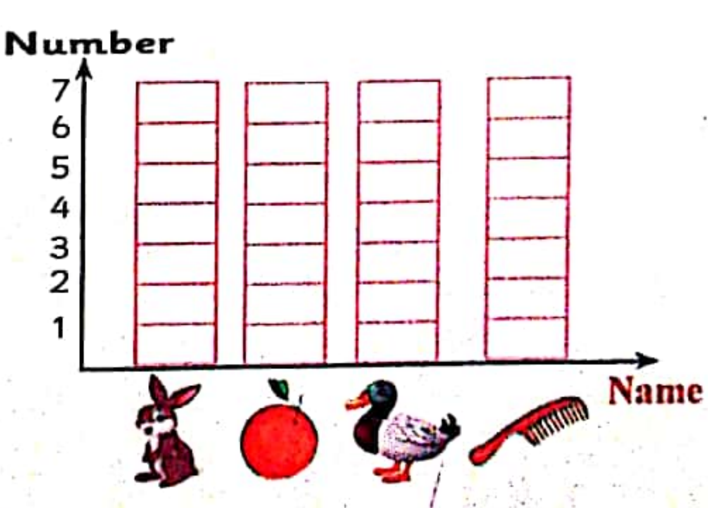




6 Notice and complete the table and the bar graph :



Name	Number
Rabbit	....
Duck	....
Orange	....
Comb	....



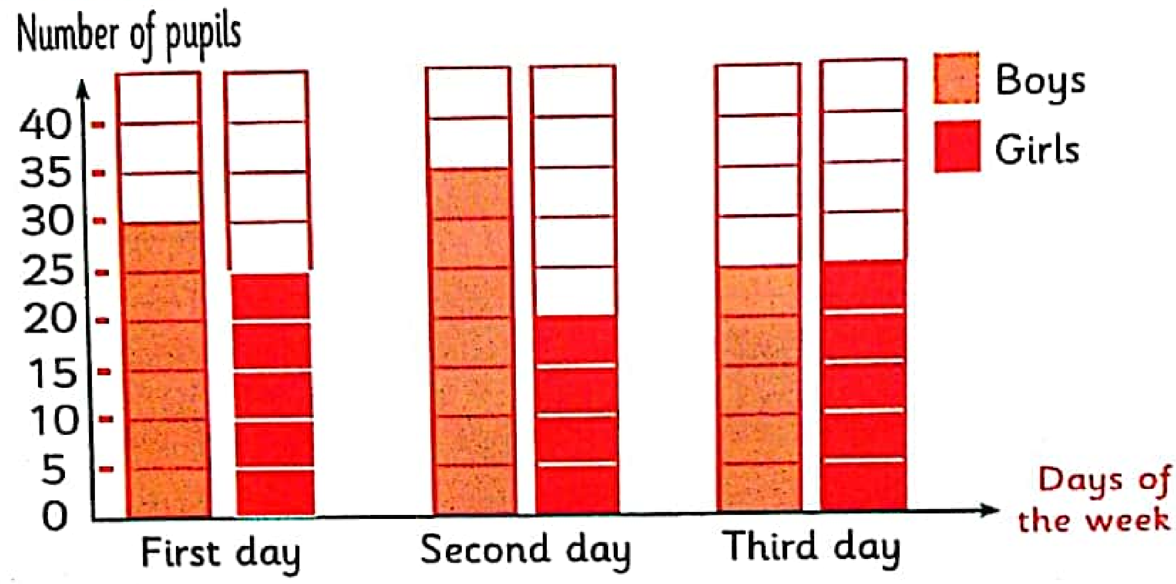


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After his parents the student repeats the name of the (Day - Date - Month - Year).

Activity 1 From the graph complete :

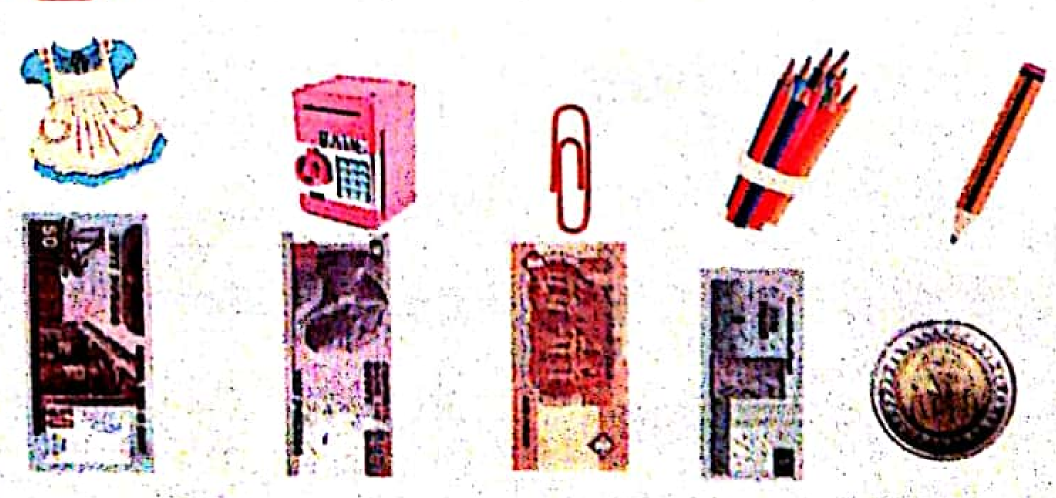


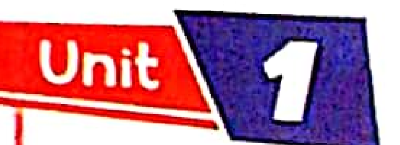
a) The increase of boys than girls in the second day = ...

b) The decrease of girls than boys in the first day = ...

c) The sum of boys and girls in the third day = ...

Activity 2 Notice the price of the following:





Activities from the school book

Banknote	Value
	100 pounds = LE 100
	.... pounds = LE ....
	.... pounds = LE ....
	....
	....
	....
	....



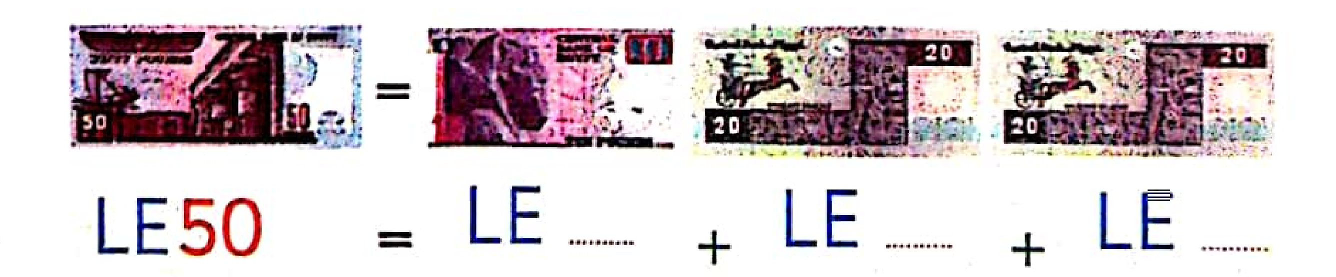
Notice the counter play :

LE 5 = LE 1 + LE 1 + LE 1 + LE 1 + LE 1

LE 10 = LE .... + LE ....



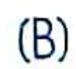
LE 20 = LE .... + LE ....



LE 50 = LE .... + LE .... + LE ....



LE 100 = LE .... + LE ....



① Join from (A) to (B) :

(A)

(B)

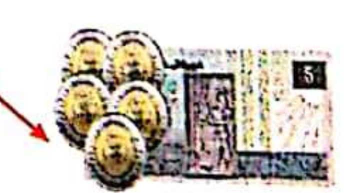
























2 Put the suitable sign (< , = , >) :

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3 Draw as the example :

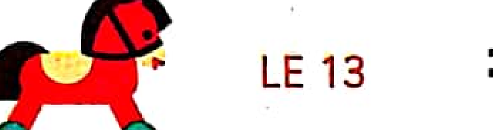


LE 15 = [10 10] [5 5]



LE 21 = ...





LE 13 = ...



LE 100 = ...



- Draw the amount

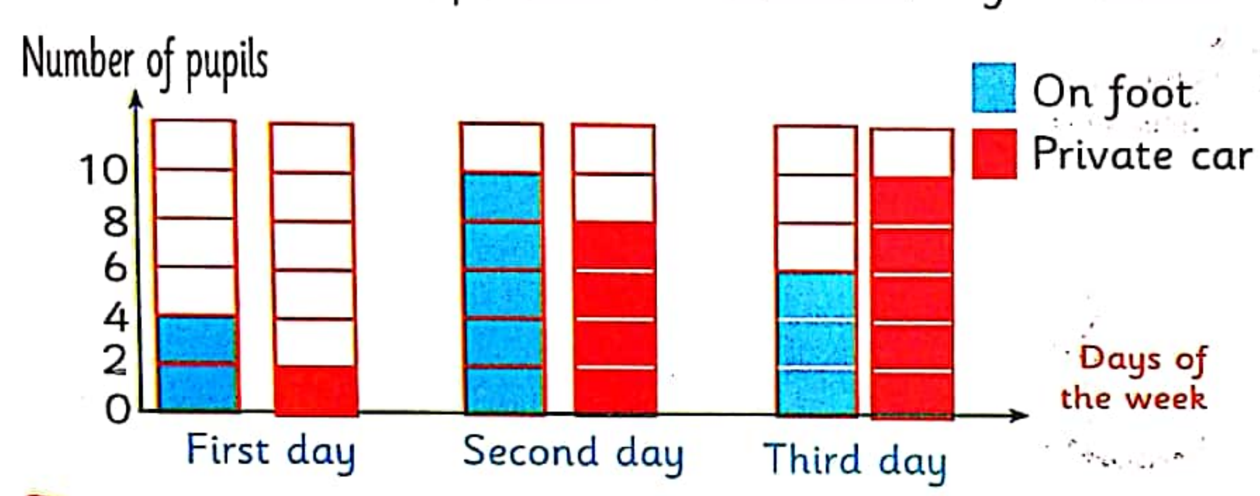
LE 18 = ...

Lesson (63, 64)

Decompose Money

Hint After his parents the student repeats the name of the (Day - Date - Month - Year).

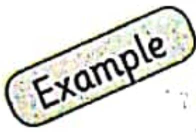
Activity 1 The following graph shows the means of transportation students use to go to school :

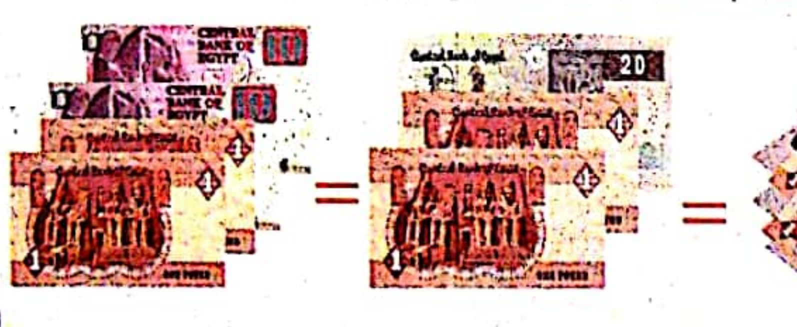


a) The number of pupils whose use private car in the third day ....

b) The number of pupils whose go on foot in the second day ....

Exercise 1 Notice the counter play as the example :





Another solution

LE 22 = LE 10 + LE 5 + LE 5 + LE ...... + LE ......

LE 22 = LE 10 + LE 10 + LE 1 + LE ......

LE 22 = LE 5 + LE 5 + LE 5 + LE 5 + LE ...... + LE ......

Activities from the school book



Join the amount with the suitable price:



Doll :29 LE



Scooter:153 LE



Roller skates : 61 LE



Toy truck : 34 LE



Basket of fruit :18 LE



Wagon :184 LE

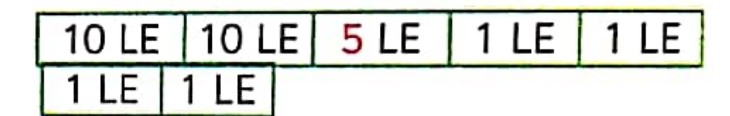
100 LE	50 LE	1 LE	1 LE	1 LE

The amount = 153 pounds



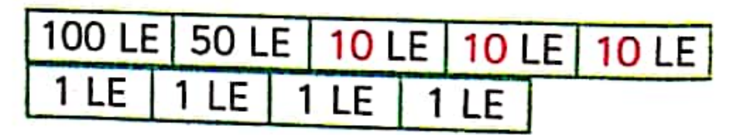
10 LE	5 LE	1 LE	1 LE	1 LE

The amount = ... pounds



10 LE	10 LE	5 LE	1 LE	1 LE
1 LE	1 LE			

The amount = ... pounds

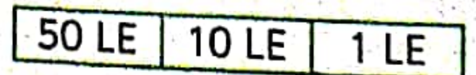


100 LE	50 LE	10 LE	10 LE	10 LE
1 LE	1 LE	1 LE	1 LE	

The amount = ... pounds

10 LE	10 LE	10 LE	1 LE	1 LE
1 LE	1 LE			

The amount = ... pounds

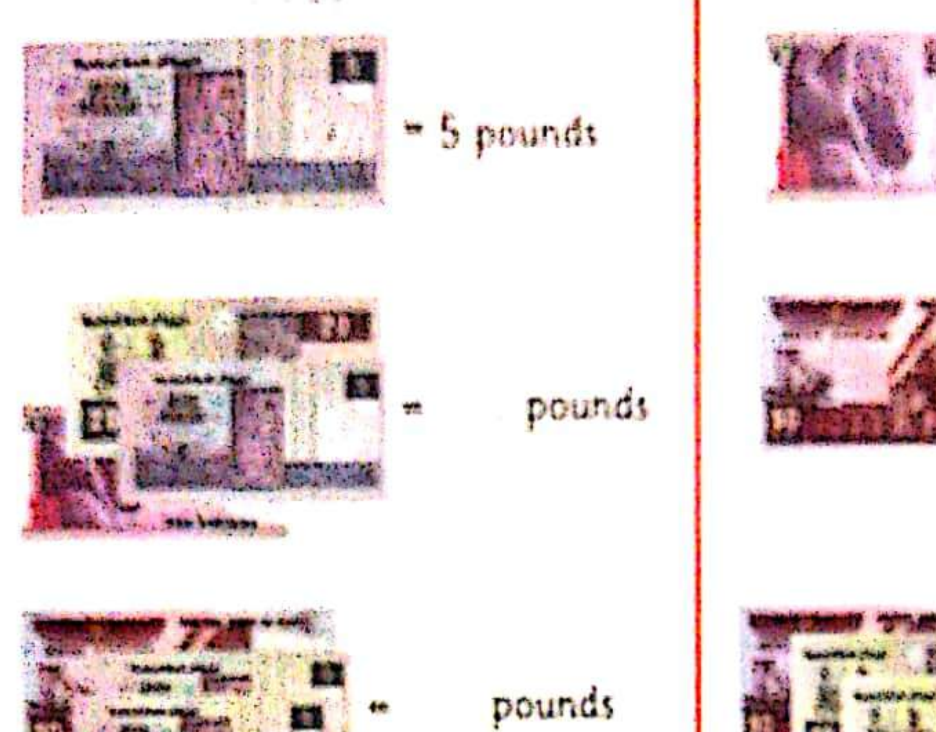


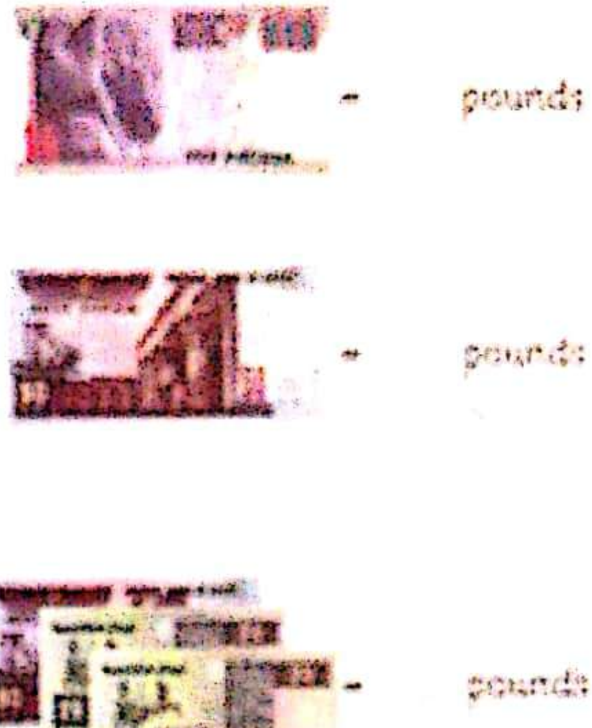
50 LE	10 LE	1 LE

The amount = ... pounds

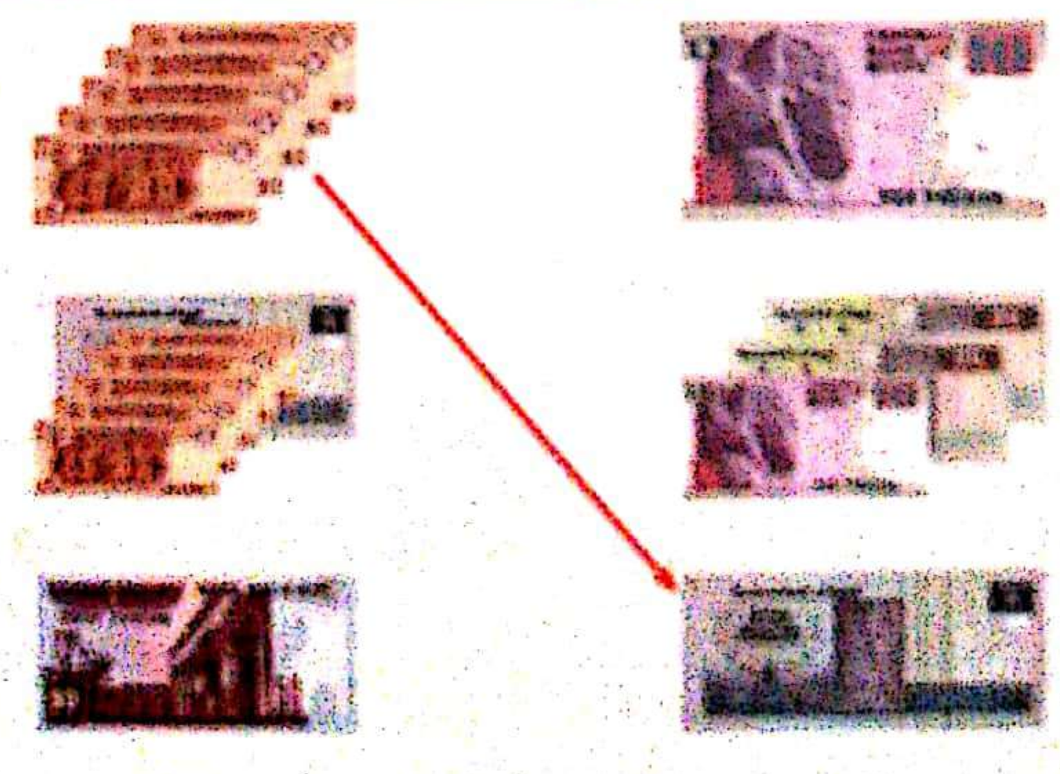
Exercises on lesson (63 , 64)

1 Write the sum





2 Notice and Join the counter play





3 Notice the counter play and complete :

a) 20 pounds = 4 five pounds

b) 50 pounds = ... ten pounds

c) 5 pounds = ... one pound

d) 100 pounds = ... twenty pounds

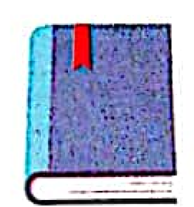
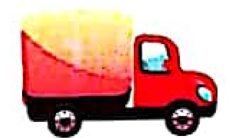
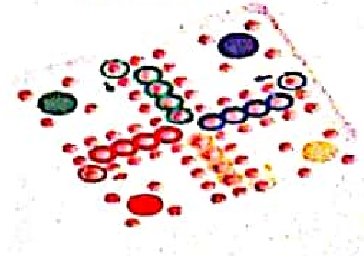
e) 100 pounds = ... ten pounds

f) 100 pounds = ... fifty pounds

g) 10 pounds = ... five pounds

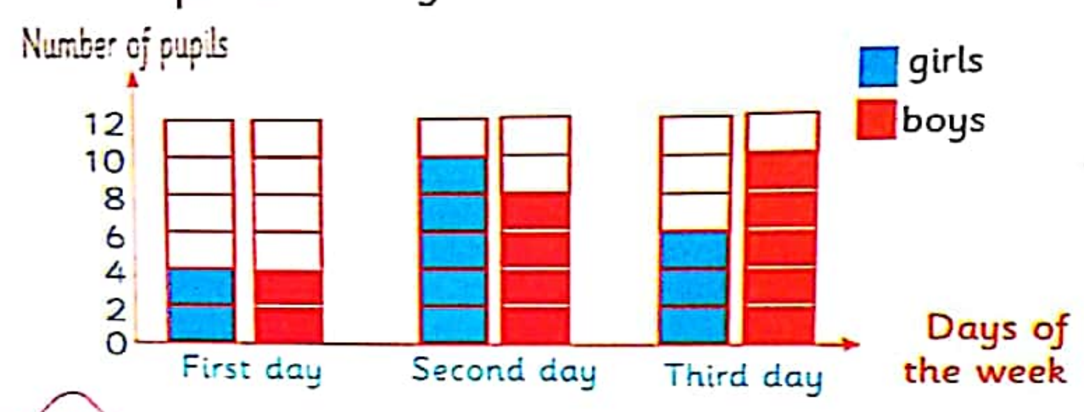
Activities from the school book

Activity ● Complete to show the price of the following:

Example Book : LE 28  LE 20 | LE 5 | LE 1 | LE 1 | LE 1	Ball : LE 206  LE 100 | LE 100 | LE 5 | …………
Toy : LE 149  LE 100 | LE 20 | LE 20 | LE 5 | LE 1 | ………… | ………… | …………	Video game : LE 427  LE 100 | LE 100 | LE 100 | LE 100 | LE 20 | LE 5 | ………… | …………
Teddy bear : LE 39  LE 20 | LE 10 | LE 5 | ………… | ………… | ………… | …………	Board game : LE 126  LE 100 | LE 20 | LE 5 | …………

Hint After his parents the student repeats the name of the (Day - Date - Month - Year).

Activity 1 The graph show the number of present Pupils in 3 days:



Exercise 1 Complete :

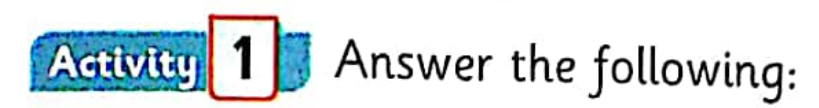
a) In which day the number of girls more than number of boys? ....

b) In which day the number of boys is greater? ....

c) In which day the number of girls is less? ....

Activity 2 Remember that :

4 + 5 = 9	11 + 7 = ...	20 + 19 = ...	40 - 10 = ...	55 - 30 = ...	32 - 12 = ...
17 + 12 = ...	33 + 26 = ...	18 + 5 = ...	66 - 34 = ...	89 - 17 = ...	67 - 10 = ...



Activities from the school book

Activity 1 Answer the following:

(a) Ali has LE 42 , his brother has LE 57. What is the total sum?



Solution : the sum = ... + ... = ... pounds

(b) Nada saved 33 pounds in a month and the next month she saved 24 pounds . How much money did Nada have?



Solution : the sum = ... + ... = ... pounds

(c) Tarek bought a book for LE 44 and a ball for LE 44. What is the total sum?



Solution: the sum = ... + ... = ... pounds





Answer the following:

a) Salma bought some fruits for LE 14 ,if she had LE 29.

What is the remained amount?



The remain = 29 - 14 = ... pounds

b) Mostafa was given LE 99 for his birthday , he bought a new pair of shoes for LE 86.

How many pounds did Mostafa have left?



Solution : the remain amount = ... - .... = ... pounds

c) My father gave me LE 55 pounds if I bought doll for LE 34 pounds.

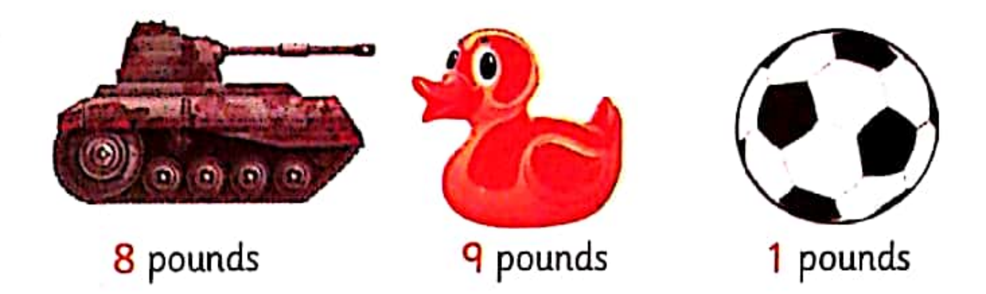
What is the remained amount?





Solution : the remain amount = ... pounds

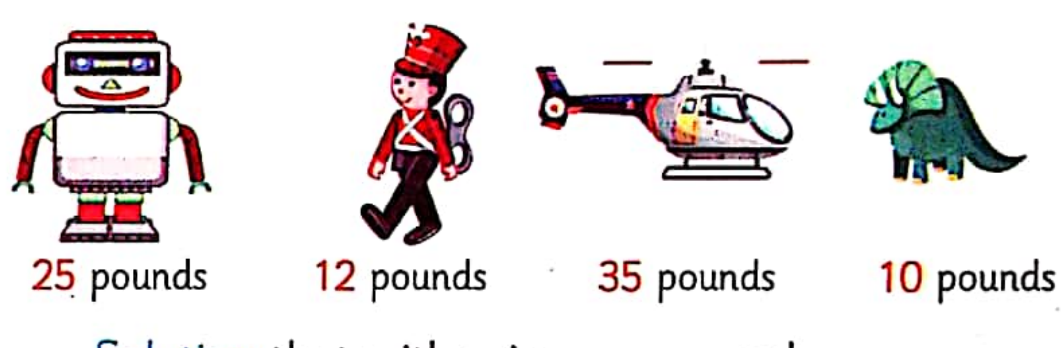
d You have 10 pounds . What can you buy from the following.



8 pounds | 9 pounds | 1 pounds

Solution that with price 1 and 9

e You have 50 pounds what is the toys that you can buy from the following.



25 pounds | 12 pounds | 35 pounds | 10 pounds

Solution that with price ...., ... and ....

f You have 100 pounds what is the toys that you can buy from the following.



5 pounds | 15 pounds | 20 pounds | 40 pounds | 30 pounds

Solution that with price ...., ..., ... and ......

Notice the different solutions

Exercises on lesson (65 , 66)

1 If you have the following amount . How much money remained after buying the two toys ?






The total amount = ... + ... = ... pounds

The remain amount = ... - .... = ... pounds

2 Hassan had . He gave to his sister

How much money was remained ?

Solution: The difference = ... - .... = ... pounds

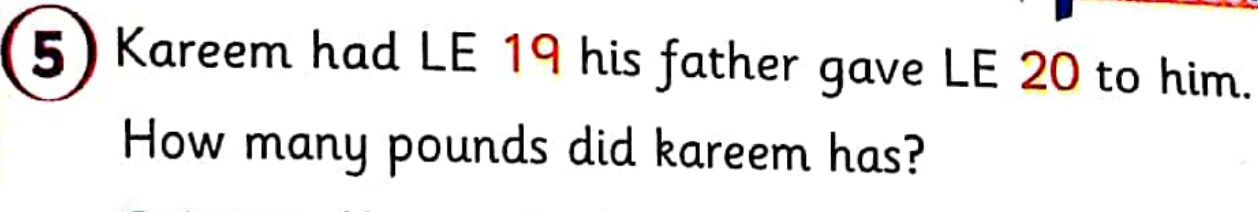
3 A man saved 50 pounds in a month and 40 pounds in the second month. How much money did he save ?

Solution: He saved = ... + ... = ... pounds

4 Lara bought some books for 35 pounds and a bag for 60 pounds. How much money did she paid?

Solution: She paid = ... + ... = ... pounds





(5) Kareem had LE 19 his father gave LE 20 to him.

How many pounds did kareem has?

Solution: Kareem had = ... + ... = ... pounds.

(6) Kenzy had LE 46 her mother gave LE 50 to her.

How much money with kenzy?

Solution: Kenzy has = ... + ... = ... pounds.

(7) Ali bought a book for , he had

How many pound remained ?

Solution: the remainder = ... - .... = ... pounds.

(8) Omar bought a toy for 31 pounds and a shoes for LE 53. How much money did he pay?

Solution: the sum = ... + ... = ... pounds.

(9) Fady had , he gave 17 pounds to his sister.

How many pound remained ?

Solution: The remained = ... - .... = ... pounds.

(10) Mona bought a shoes for 60 pounds.

She was had . How many pound remained?

Solution: The remained = ... - .... = ... pounds.

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Activities from the school book

1 If you have 500 pounds what is the greatest number of toys that you can buy ?

127 pounds	57 pounds	15 pounds
86 pounds	73 pounds	450 pounds
9 pounds	5 pounds	335 pounds
3 pounds	41 pounds	101 pounds
292 pounds	28 pounds	17 pounds

Guided solution: I buy that's with price :

(3 , 5 , 9 , 15 , 17 , 28 , 31 , 57 , 73 , 86 , 101)



Adding by renaming



After his parents the student repeats the name of the (Day - Date - Month - Year).



Notice the value of the following :

Place value table

The amount	Hundreds 100 pounds	Tens 10 pounds	Ones 1 pounds
			1
			5
		1	0
		2	0
		5	0
	1	0	0
	2	0	0

Activities from the school book

Activity 1 Complete the table as the example:

Place value / Money Mat			
Amount	Hundreds (100 pounds)	Tens (10 pounds)	Ones (1 pounds)
34	....	3	4
167	1	6	7
450	4	....	0
325	....	....	5
75	0	7	....
120	....	....	0
810	8	....	....
990	....	9	0
580	....	....	....

Activity 2 Add 560 pounds and 350 pounds :



The sum = 910 pounds

Amount	Hundreds (100 pounds)	Tens (10 pounds)	Ones (1 pound)
560	(1) 5	6	0
350	3	5	0
Sum	9	1	0

Exercise 1 Add as the example :

Amount	Hundreds 100 pounds	Tens 10 pounds	Ones 1 pounds
290	① 2	9	0
475	4	7	5
Sum	7	6	5

Amount	Hundreds 100 pounds	Tens 10 pounds	Ones 1 pounds
729	....	○	....
65	....	....	....
Sum	....	....	....

Amount	Hundreds 100 pounds	Tens 10 pounds	Ones 1 pounds
142	....	○	....
319	....	....	....
Sum	....	....	....

Amount	Hundreds 100 pounds	Tens 10 pounds	Ones 1 pounds
135	○	....	....
80	....	....	....
Sum	....	....	....

Amount	Hundreds 100 pounds	Tens 10 pounds	Ones 1 pounds
345	....	○	....
217	....	....	....
Sum	....	....	....

Amount	Hundreds 100 pounds	Tens 10 pounds	Ones 1 pounds
186	○	....	....
120	....	....	....
Sum	....	....	....

Exercise 2 Amira went to the market she bought some things for 226 pounds and another things for 28 pounds.
What is the total price?

Amount	Hundreds 100 pounds	Tens 10 pounds	Ones 1 pounds
226	....	○	....
28	....	....	....
Sum	....	....	....

Exercises on lesson (67 , 68)

1 Add the following :

Amount	Hundreds 100 pounds	Tens 10 pounds	Ones 1 pounds
924	....	....	....
36	....	....	....
Sum	....	....	....

Amount	Hundreds 100 pounds	Tens 10 pounds	Ones 1 pounds
131	....	....	....
78	....	....	....
Sum	....	....	....

Amount	Hundreds 100 pounds	Tens 10 pounds	Ones 1 pounds
736	....	....	....
16	....	....	....
Sum	....	....	....

Amount	Hundreds 100 pounds	Tens 10 pounds	Ones 1 pounds
573	....	....	....
230	....	....	....
Sum	....	....	....

Amount	Hundreds 100 pounds	Tens 10 pounds	Ones 1 pounds
563	....	....	....
92	....	....	....
Sum	....	....	....

Amount	Hundreds 100 pounds	Tens 10 pounds	Ones 1 pounds
515	....	....	....
288	....	....	....
Sum	....	....	....

Amount	Hundreds 100 pounds	Tens 10 pounds	Ones 1 pounds
645	....	....	....
73	....	....	....
Sum	....	....	....

Amount	Hundreds 100 pounds	Tens 10 pounds	Ones 1 pounds
595	....	....	....
109	....	....	....
Sum	....	....	....

Amount	Hundreds 100 pounds	Tens 10 pounds	Ones 1 pounds
546	....	....	....
83	....	....	....
Sum	....	....	....

Amount	Hundreds 100 pounds	Tens 10 pounds	Ones 1 pounds
754	....	....	....
168	....	....	....
Sum	....	....	....

2) Kareem has LE 254, Nadeen has LE 319.
What is the total sum?

	Amount	Hundreds 100 pounds	Tens 10 pounds	Ones 1 pounds
	....	....	....	....
+	....	....	....	....
	Sum	....	....	....

3) Hoda has LE 350, her father gave LE 175 to her.
What is the total?

	Amount	Hundreds 100 pounds	Tens 10 pounds	Ones 1 pounds
	....	....	....	....
+	....	....	....	....
	Sum	....	....	....

4) Salma bought a bike by LE 467 and a phone for LE 290.
How much did she pay?

	Amount	Hundreds 100 pounds	Tens 10 pounds	Ones 1 pounds
	....	....	....	....
+	....	....	....	....
	Sum	....	....	....

5) A dress for LE 275 and shoes for LE 115.
How much did she pay?

	Amount	Hundreds 100 pounds	Tens 10 pounds	Ones 1 pounds
	....	....	....	....
+	....	....	....	....
	Sum	....	....	....

6) Ramy has LE 675 ,his mother gave LE 230 to him.
How many pounds with Ramy?

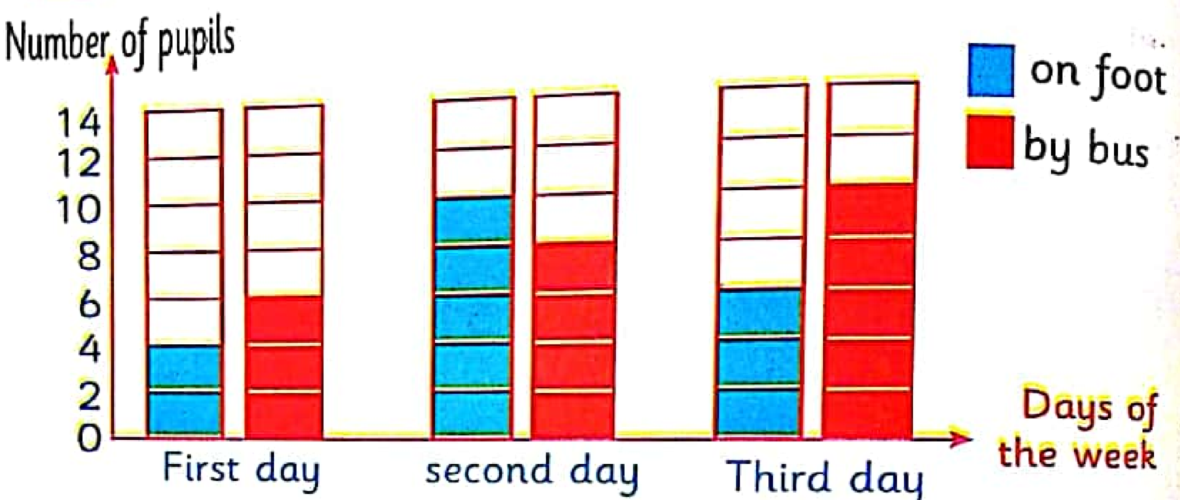
	Amount	Hundreds 100 pounds	Tens 10 pounds	Ones 1 pounds
	....	....	....	....
+	....	....	....	....
	Sum	....	....	....

7) Ebrahem save LE 185 ,his father gave LE 225 to him
How many pounds with Ebrahem?

	Amount	Hundreds 100 pounds	Tens 10 pounds	Ones 1 pounds
	....	....	....	....
+	....	....	....	....
	Sum	....	....	....

Hint After his parents the student repeats the name of the (Day - Date - Month - Year).

Activity 1 The graph shows How the pupils go to school.



a) The number of pupils whose use bus in the third day ......

b) The number of pupils whose on foot in the second day ......

c) The sum of those who use the bus in the first and second days

.... + ... = ...

Activity 2 The difference between 325 pounds and 119 pounds:



\-



Amount	Hundreds 100 pounds	Tens 10 pounds	Ones 1 pounds
325	3	(1) ~~2~~	(15) ~~5~~
119	1	1	9
The difference	2	0	6

The amount = 206 Pounds

Exercise 1 Subtract :

Amount	Hundreds 100 pounds	Tens 10 pounds	Ones 1 pounds
468	~~4~~ (3)	~~6~~ (16)	8
393	3	9	3
The rest	0	7	5

Amount	Hundreds 100 pounds	Tens 10 pounds	Ones 1 pounds
564	....	....	....
39	....	....	....
The rest	....	....	....

Amount	Hundreds 100 pounds	Tens 10 pounds	Ones 1 pounds
596	....	....	....
437	....	....	....
The rest	....	....	....

Amount	Hundred 100 pounds	Tens 10 pounds	Ones 1 pounds
792	....	....	....
553	....	....	....
The rest	....	....	....

Amount	Hundreds 100 pounds	Tens 10 pounds	Ones 1 pounds
678	....	....	....
598	....	....	....
The rest	....	....	....

Amount	Hundreds 100 pounds	Tens 10 pounds	Ones 1 pounds
600	....	....	....
459	....	....	....
The rest	....	....	....

Exercise 2

Omar save 750 pounds he bought a bike for LE 625. How much money left?

Amount	Hundred 100 pounds	Tens 10 pounds	Ones 1 pounds
750	7	~~5~~ (4)	~~0~~ (10)
625	6	2	5
The rest	....	....	....

Exercises on lesson (69 , 70)

1 Subtract the following :

Amount	Hundreds 100 pounds	Tens 10 pounds	Ones 1 pounds
944	....	....	....
36	....	....	....
The rest	....	....	....

Amount	Hundreds 100 pounds	Tens 10 pounds	Ones 1 pounds
736	....	....	....
96	....	....	....
The rest	....	....	....

Amount	Hundreds 100 pounds	Tens 10 pounds	Ones 1 pounds
563	....	....	....
92	....	....	....
The rest	....	....	....

Amount	Hundreds 100 pounds	Tens 10 pounds	Ones 1 pounds
645	....	....	....
73	....	....	....
The rest	....	....	....

Amount	Hundreds 100 pounds	Tens 10 pounds	Ones 1 pounds
546	....	....	....
83	....	....	....
The rest	....	....	....

Amount	Hundreds 100 pounds	Tens 10 pounds	Ones 1 pounds
138	....	....	....
78	....	....	....
The rest	....	....	....

Amount	Hundreds 100 pounds	Tens 10 pounds	Ones 1 pounds
573	....	....	....
239	....	....	....
The rest	....	....	....

Amount	Hundreds 100 pounds	Tens 10 pounds	Ones 1 pounds
515	....	....	....
208	....	....	....
The rest	....	....	....

Amount	Hundreds 100 pounds	Tens 10 pounds	Ones 1 pounds
595	....	....	....
109	....	....	....
The rest	....	....	....

Amount	Hundreds 100 pounds	Tens 10 pounds	Ones 1 pounds
754	....	....	....
163	....	....	....
The rest			



(2) Ahmed has LE 300 ,he bought calculator for LE 135.
How much money was left ?

Amount	Hundreds 100 pounds	Tens 10 pounds	Ones 1 pounds
	▢	▢	▢
....	....	....	....
....	....	....	....
The rest	....	....	....

(3) Hoda has LE 350. If she bought some things for LE 190.
How much money was left?

Amount	Hundreds 100 pounds	Tens 10 pounds	Ones 1 pounds
	▢	▢	
....	....	....	....
....	....	....	....
The rest	....	....	....

(4) Dalia bought a toy for LE 99 if She has LE 136.
How much money was left ?

Amount	Hundreds 100 pounds	Tens 10 pounds	Ones 1 pounds
	▢	▢	▢
....	....	....	....
....	....	....	....
The rest	....	....	....

(5) Atef has LE 465 if he bought a bike for LE 174.
How much money was left?

Amount	Hundreds 100 pounds	Tens 10 pounds	Ones 1 pounds
	▢	▢	
....	....	....	....
....	....	....	....
The rest	....	....	....

(6) Hossam has LE 200 ,he bought a book for LE 175.
How much money was left?

Amount	Hundreds 100 pounds	Tens 10 pounds	Ones 1 pounds
	▢	▢	▢
....	....	....	....
....	....	....	....
The rest	....	....	....

(7) Iman has LE 635 she bought A toy for LE 50.
How much money was left?

Amount	Hundreds 100 pounds	Tens 10 pounds	Ones 1 pounds
	▢	▢	
....	....	....	....
....	....	....	....
The rest	....	....	....



Self - check 1

1 Ring the amount according to the price :



152 pounds















2 Add the following amount:

Amount	Hundreds 100 pounds	Tens 10 pounds	Ones 1 pounds
183	....	....	....
116	....	....	....
The sum	....	....	....

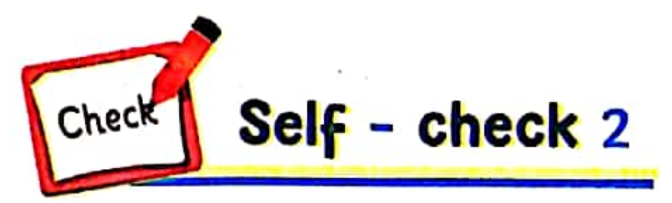
Amount	Hundreds 100 pounds	Tens 10 pounds	Ones 1 pounds
327	O	O	....
494	....	....	....
The sum	....	....	....

3 Abbas has LE 310 he bought a shoes for LE 150. How much money was left?

Amount	Hundreds 100 pounds	Tens 10 pounds	Ones 1 pounds
310	....	....	....
150	....	....	....
The rest	....	....	....

The left money = ... - ....

= .... pounds



Self - check 2

1 Circle the amount according to the price :



37 pounds








2 Subtract the following :

Amount	Hundreds 100 pounds	Tens 10 pounds	Ones 1 pounds
817	....	....	....
213	....	....	....
The rest	....	....	....

Amount	Hundreds 100 pounds	Tens 10 pounds	Ones 1 pounds
697	....	○	○ ....
419	....	....	....
The rest	....	....	....

3 Enas bought a dress for LE 275 and a bag for LE 125.

What is the total price she paid ?

Amount	Hundreds 100 pounds	Tens 10 pounds	Ones 1 pounds
....	○	○	....
....	....	....	....
Sum	....	....	....

The price = ... + ...

= .... Pounds

For more activities and exercises, enjoy with the skill skills


Unit
Two
Even and odd numbers

Lesson (71 , 72 , 73) Even and odd numbers

Hint After his parents the student repeats the name of the month (Day - Date - Month - Year)

Activity 1 Join in order from Saturday :



1












Activity 2 Write the time :

Breakfast time



.... : ....

The beginning of the math class



.... : ....

End of the day



.... : ....

Activity 3 Choose the correct answer :

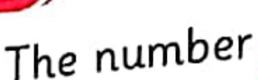
a) The number of the months in the year = ... (7, 24 , 12)

b) Yesterday was Tuesday,then today is .... (Tuesday , Thursday , Wednesday)

The even numbers

1) When we distribute 10 cars into two equal groups.

The number





The number





The number of the red cars = The number of the blue cars.

Then, we distributed the number into 2 groups with equal number

Then, the number 10 is called even number

---

2) When we distribute 8 fish into 2 groups to
(With the same number in each group).

The number

4



The number





The number of the green fish = The number of the blue fish

Then, we distributed 8 into 2 groups with the same number

Then, the number 8 is called even number

---

3) When we distributed 6 bottles into 2 groups
(With the same number in each group).

The number



The number

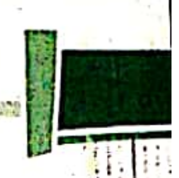


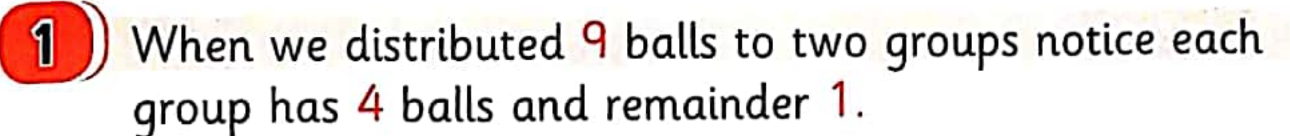


The number of the green bottles = The number of the red bottles

Then, we distributed the number 6 into 2 groups with equal number

Then, the number 6 is called even number





The odd numbers

1 When we distributed 9 balls to two groups notice each group has 4 balls and remainder 1.







We can't distributed 9 balls to 2 groups in has the same number.
Then , we can't distributed this number in 2 equal groups.
Then , the number 9 is called odd number

2 When we distributed 7 cubes to 2 groups.
(With the same number in each group).
Notice : each group has 3 cubes and remainder 1.







We can't distributed 7 cubes to 2 groups in has the same number
Then , we can't distributed this number in 2 equal groups.
Then , the number 7 is called odd number

3 When we distributed 5 stars in 2 groups.
Notice : each group has 2 stars and remainder 1.









We can't distributed 5 stars to 2 groups in has the same number
Then , we can't distributed this number in 2 equal groups.
Then , the number 5 is called odd number



The table of even and odd numbers

Notice

The even number :
0 , 2 , 4 , 6 , 8 , 10 , 12 and so on.
The odd number :
1 , 3 , 5 , 7 , 5 , 11 , 13 and so on.

Even	Odd
12	11
10	9
8	7
6	5
4	3
2	1

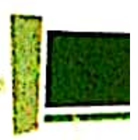
The even number : It's all the numbers that the ones digits is even numbers.
The odd number : It's all the numbers that the ones digit is odd numbers.

Double of numbers

Number	Double	Odd / Even
1	1 + 1 = 2	Even
2	2 + 2 = 4	Even
3	3 + 3 = 6	Even
4	4 + 4 = 8	....
5	5 + 5 = 10	....
6	6 + 6 = 12	....
7	7 + 7 = 14	....
8	8 + 8 = 16	....
9	9 + 9 = 18	....
10	10 + 10=20	....

Number	Double	Odd / Even
11	11 + 11 = 22	Even
12	12 + 12 = 24	Even
13	13 + 13 = ...	Even
14	14 + 14 = ...	....
15	15 + 15 = ...	....
16	....	....
17	....	....
18	....	....
19	....	....
20	....	....

Notice The double of all numbers are even marbs.



Activities from the school book

Exercise 1 Complete the table :

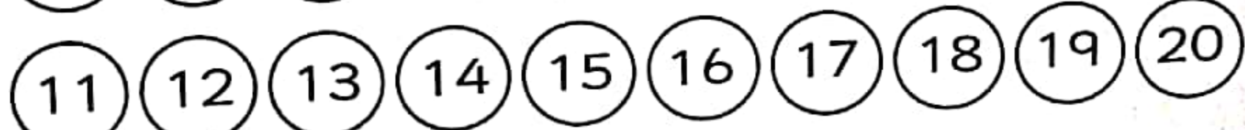


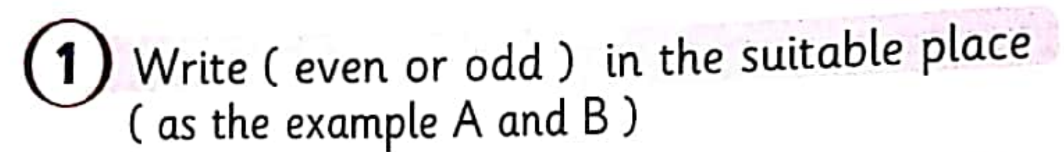
Example	Sum	Odd / Even
5 + 4	9	Odd
3 + 3	6	Even
5 + 6	....	....
4 + 4	....	....
7 + 7	....	....
9 + 6	....	....
10 + 1	....	....
10 + 2	....	....
20 + 9	....	....
30 + 5	....	....

Notice

Even number + Even number = Even number
Odd number + Odd number = Even number
Even number + Odd number = Odd number

Exercise 2 Colour the even number by green and colour the odd number by blue :





Exercises on lesson (71 , 72 , 73)

1 Write (even or odd) in the suitable place (as the example A and B)

a	64	even	b	481	odd	c	54 ....
d	45	....	e	83	....	f	16 ....
g	0	....	h	85	....	i	29 ....
j	520	....	k	386	....	l	978 ....
m	160	....	n	187	....	o	109 ....

2 Answer the following :

a Underline the odd number :

40 , 431 , 307 , 145 , 610 , 295 , 274

b Circle the even number :

208 , 173 , 136 , 524 , 150 , 495

3 Complete by even number to make 100 :

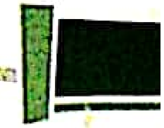
a 98 , ... b 64 , ... c 48 , ...

d 80 , ... e 4 , ... f 10 , ...

4 Complete by odd number to make 100 :

a 99 , ... b 3 , ... c 55 , ...

d 87 , ... e 49 , ... f 11 , ...



5 Complete :

a. The even numbers between 15 and 25 are ....

b. The even number just before 165 is ....

c. The odd numbers between 30 and 41 are ....

d. Even numbers + 2 = Number ....

e. The odd number comes just after 569 is ....

6 (Without adding) write the (even or odd) as the example (A) ?

a. 95 + 5	even	b. 22 + 2	....
c. 30 + 5	....	d. 57 + 2	....
e. 41 + 3	....	f. 82 + 3	....
g. 47 + 2	....	h. 75 + 4	....

7 Complete :

a. Write 4 even numbers between 1 and 10.

Solution : The numbers is .... , ... , ... , ...

b. Write 5 consecutive odd numbers the greatest one is 21

Solution : The numbers is .... , ... , ... , ... , ...



Hint After his parents the student repeats the name of the month (Day - Date - Month - Year)

Activity 1 Complete the table :

Yesterday	Saturday	Wednesday	....	Tuesday
Today	....	....	Friday	....
Tomorrow	Monday	....	....	....

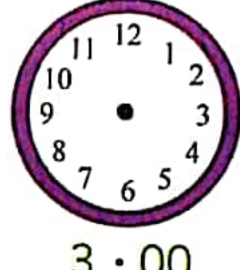
Activity 2 Choose the correct answer :

(a) 1 day = ... hours. (12 , 24 , 7)

(b) The month comes after May is .... (February , April , June)

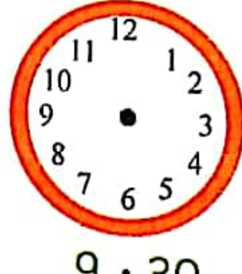
Activity 3 Draw the hand according to the time.

Eating lunch



3 : 00

The beginning of
The Arabic lesson



9 : 30

Start of the day



7 : 15

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Visual pattern



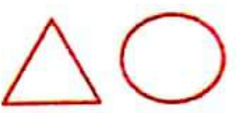


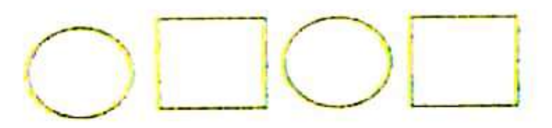
Exercise 1 Notice :

What you notice : 

We notice is repeating : △ □ **is called pattern**

Exercise 2 Complete the pattern :

 .... The pattern 

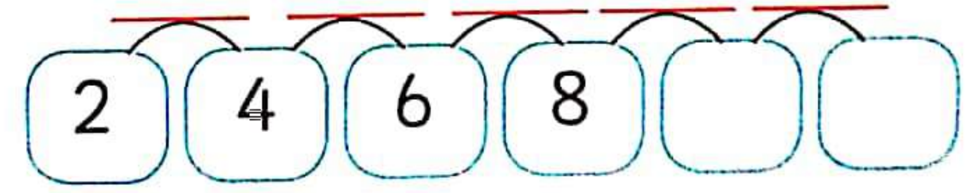
 .... The pattern ....

 .... The pattern ....

Exercise 3 Complete the pattern :

a) +2 +2 +2 ____ ____ ____ ____ ____

2 4 6 8 ☐ ☐



b) +3 +3 +3 ____ ____ ____ ____ ____

0 3 6 9 ☐ ☐



Exercise 4 Complete the pattern (as the example) :

EX ⇒

	-5	-5	-5	-5	-5	-5	......	
70	65	60	55	......	......	......	......	

solution ⇒

-5	-5	-5	-5	-5	-5	-5	-5
70	65	60	55	50	45	40	35	30

a)

-5	-5	-5	-5	-5	-5	......
45	40	35	30	......	......	......	......

b)

-3	-3	-3	-3	-3	......
24	21	18	......	......	......	......

c)

-7	-7	-7	-7	......
35	28	......	......	......	......

d)

-4	-4	-4	-4	......
40	36	......	......	......	......

e)

+10	+10	+10	+10	+10	+10	......
0	10	20	30	......	......	......	......

Exercises on lesson (74 , 75)

1 Complete the pattern (as the example) :

a □□□□□□ .... The pattern □□□

b △□△△□△ .... The pattern ....

c ○□□○□□ .... The pattern ....

d // ○ // ○ .... The pattern ....

e ♡◺♡◺♡◺ .... The pattern ....

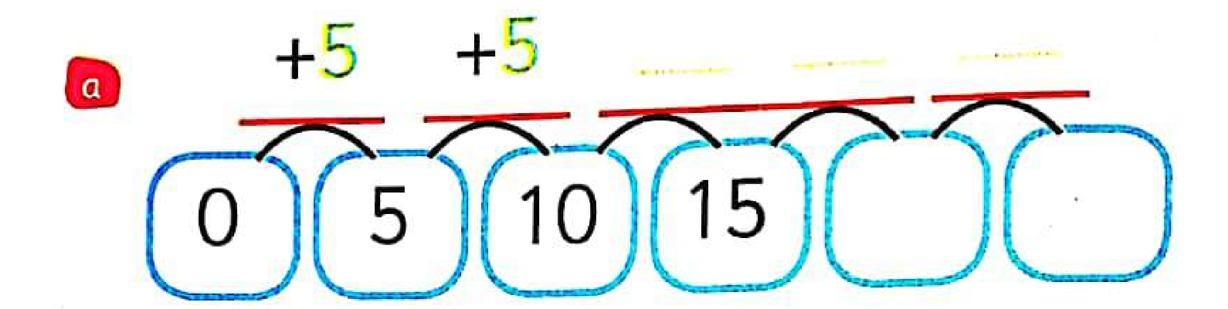
f .... The pattern ....

g .... The pattern ....

h ABC ABC ABC............ .... The pattern ....



2 Complete the pattern :



a +5 +5 ....

0, 5, 10, 15, ☐, ☐

b +10 +10 ....

10, 20, 30, 40, ☐, ☐

c +2 +2 ....

20, 22, 24, 26, ☐, ☐

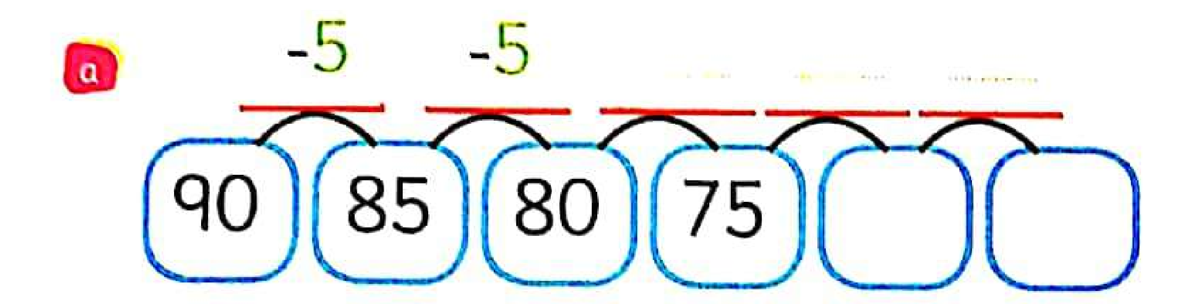
d +2 +2 +2 ....

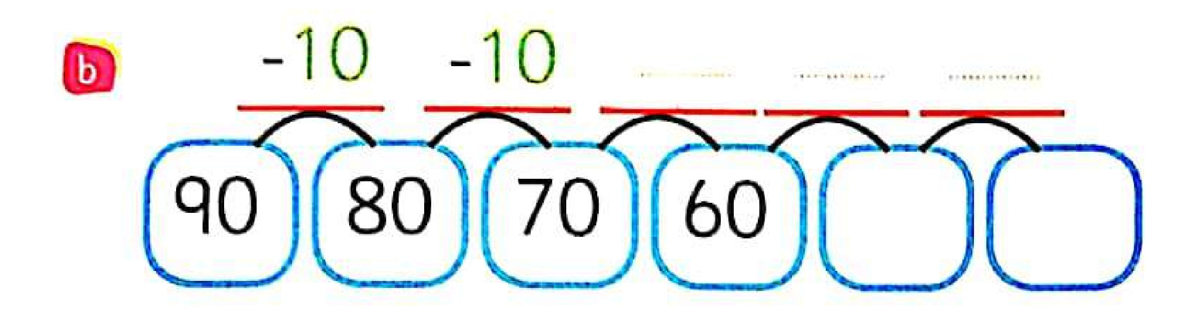
5, 7, 9, 11, ☐, ☐

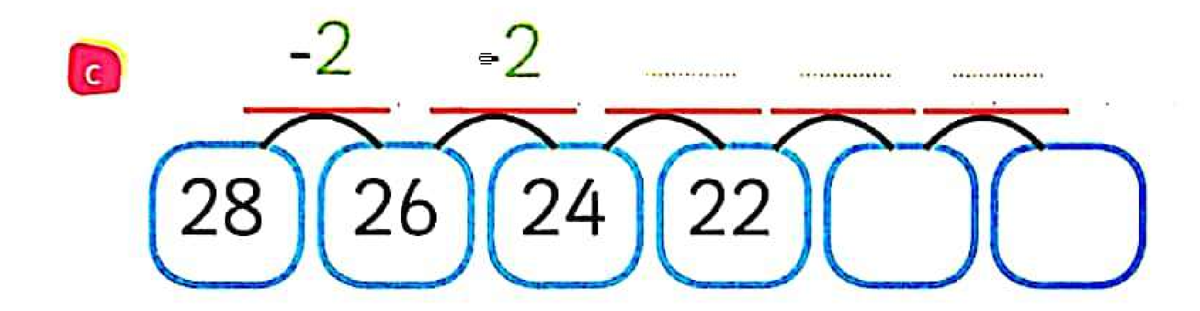
e +4 +4 +4 ....

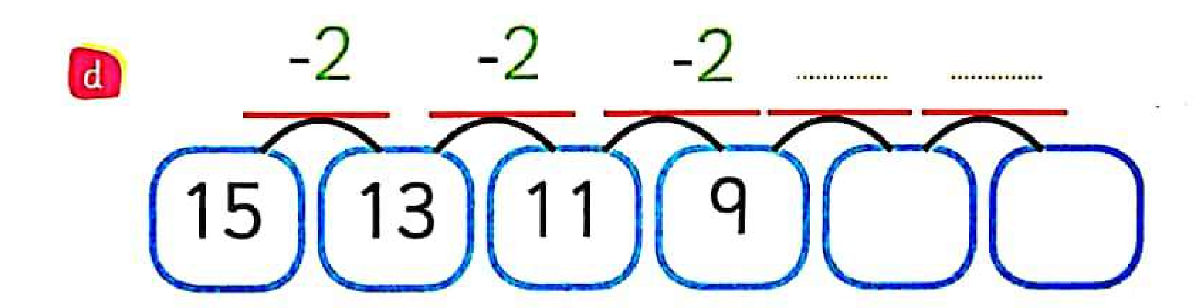
4, 8, 12, 16, ☐, ☐

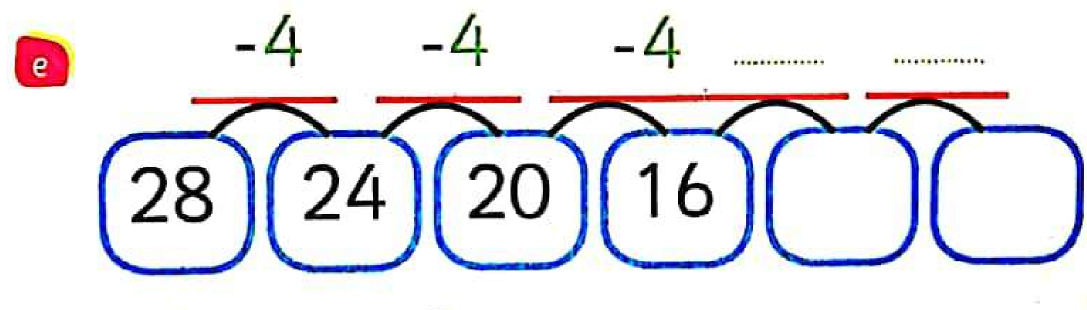
3 Complete the pattern :

a


b


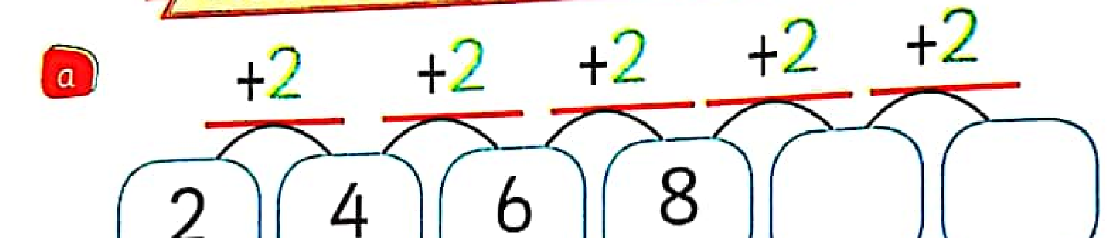
c


d


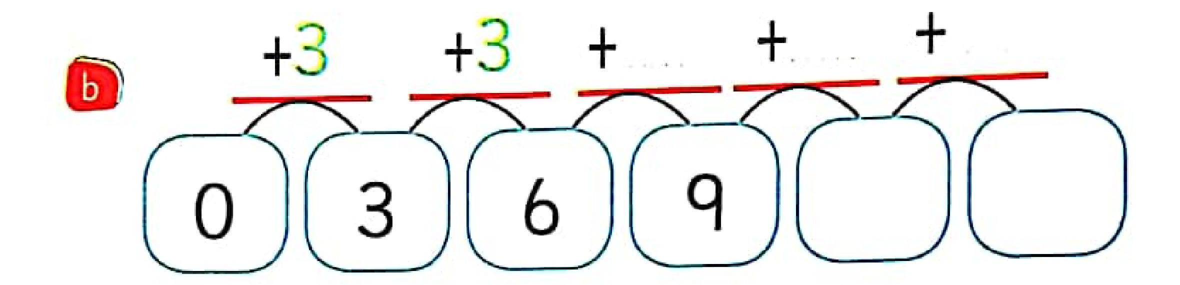
e


Activities from the school book

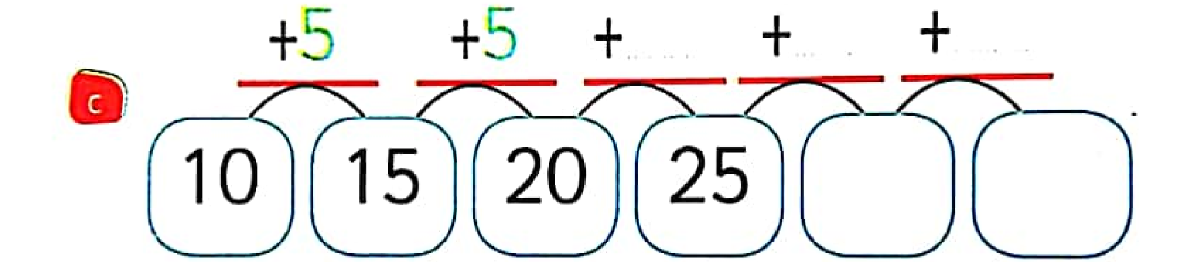
a



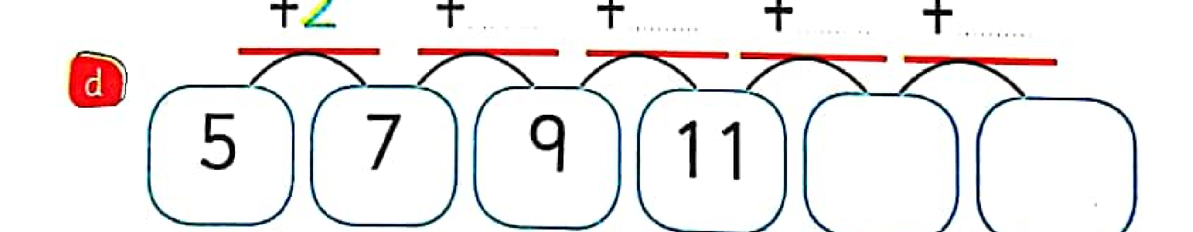
b



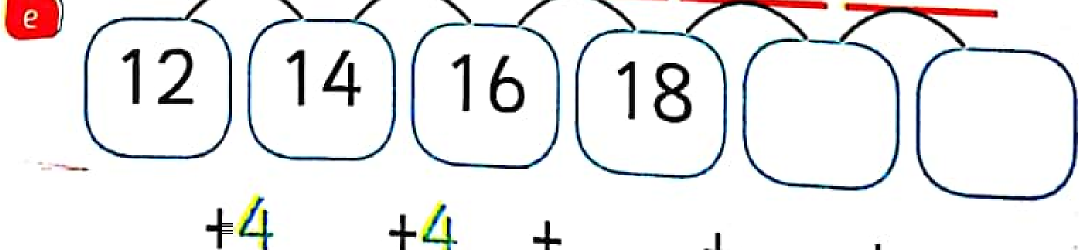
c



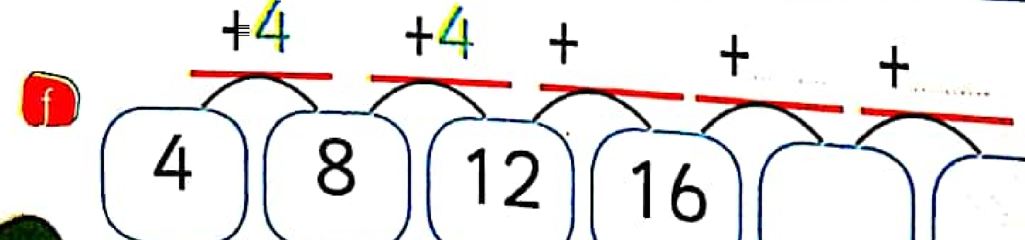
d



e



f



Lesson (76, 77)

Apply on the pattern



After the parents student repeats (Day - Date - Month - Year).

Activity 1 Join as the example :



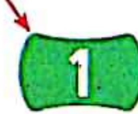
















3

Activity 2 Write the time :

a) Breakfast at .... : .... am.



b) The match beginning at .... : .... pm.



c) We go to cinema at .... : .... pm.





Activity 3 Join as the example :

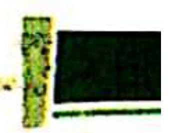
Sequence	Rule
	Rule : + 4
59 , 52 , 45 , 38 , 31	Rule : + 8
26 , 30 , 34 , 38 , 42	Rule : - 7
	Rule : - 3

Exercise 1 Join :

Sequence	Rule
75 , 66 , 57 , ... , ...	Rule : + 10
30 , 40 , 50 , ... , ...	Rule : + 6
12 , 18 , 24 , ... , ...	Rule : - 9

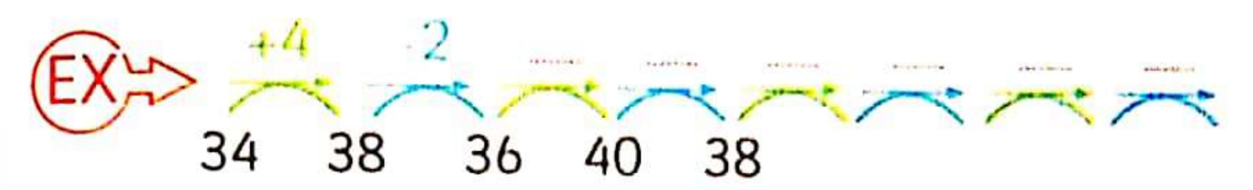
Exercise 2 Join :

Sequence	Rule
66 , 70 , 74 , ... , ... , ... , ...	Rule : - 3
90 , 80 , 70 , ... , ... , ... , ...	Rule : + 4
27 , 24 , 21 , ... , ... , ... , ...	Rule : - 10



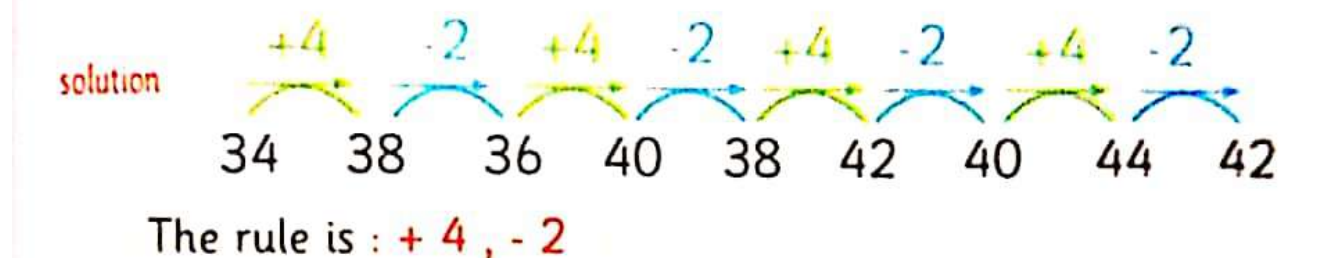
Exercise 3 Notice the pattern and complete :

EX



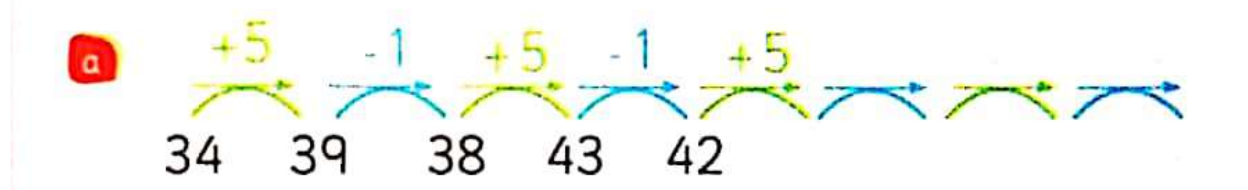
34 38 36 40 38

solution



The rule is : + 4 , - 2

a



The rule is : ,

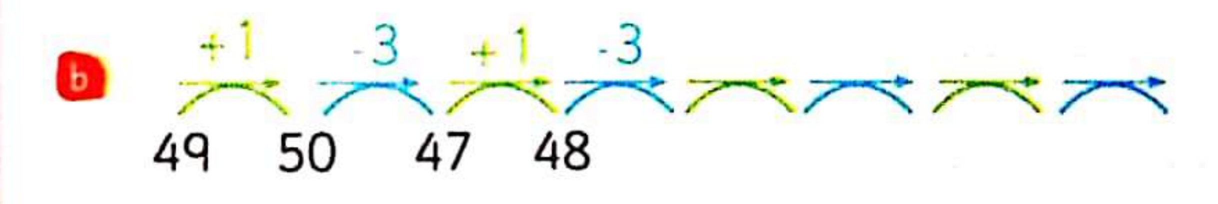
b

+1 -3 +1 -3

49 50 47 48

The rule is : ,

c



The rule is : ,

Exercises on lesson (76 , 77)

1 Join :

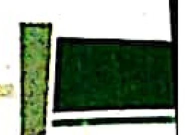
	Rule : + 10
37 , 35 , 33 , 31 , 29	Rule : + 5
	Rule : - 2
52 , 62 , 72 , 82 , 92	Rule : - 10

2 Join :

21 , 41 , 61 , ... , ...	Rule : + 7
30 , 27 , 24 , ... , ...	Rule : + 20
3 , 10 , 17 , ... , ...	Rule : - 3

3 Join :

150 , 148 , 146 , ... , ... , ... , ...	Rule : - 10
200 , 210 , 220 , ... , ... , ... , ...	Rule : + 10
200 , 190 , 180 , ... , ... , ... , ...	Rule : - 2



4 Complete in the same pattern :

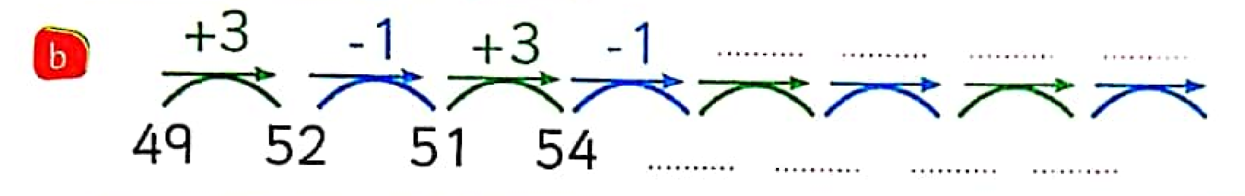
a

+5 -2 +5 -2 +5 ....

10 15 13 18 16 ....

The rule is : .... , ...

b



+3 -1 +3 -1 ....

49 52 51 54 ....

The rule is : .... , ...

c

+4 -3 +4 -3 ....

30 34 31 ....

The rule is : .... , ...

d

+10 -5 +10 -5 ....

100 110 105 ....

The rule is : .... , ...

e

-10 +5 -10 +5 ....

100 90 95 ....

The rule is : .... , ...

f

+5 -5 +5 -5 ....

48 53 48 ....

The rule is : .... , ...

Activities from the school book

Exercise 1 Join :

The pattern	The rule
75 , 66 , 57 , 48 , 39 , 30	- 10
30 , 40 , 50 , ... , ... , ...	+ 6
12 , 18 , 24 , ... , ... , ...	- 9
90 , 80 , 70 , ... , ... , ...	+ 4
66 , 70 , 74 , ... , ... , ...	- 3
27 , 24 , 21 , ... , ... , ...	+ 10



Exercise 2 Write a pattern by yourself :

Rule : +5 , -1



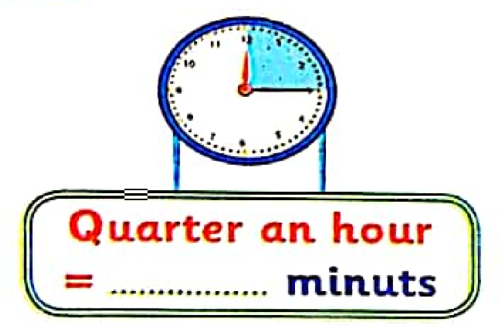
+5 -1 +5 -1 +5 ....

....

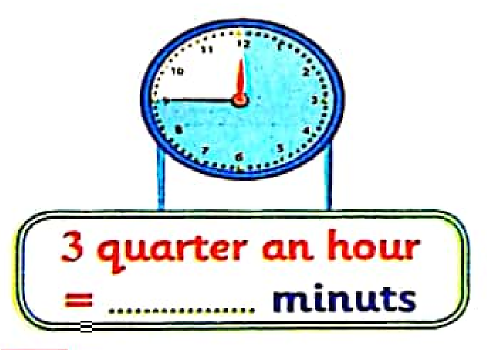


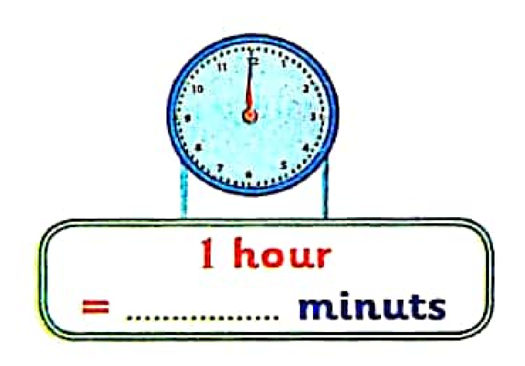
After the parents student repeats (Day - Date - Month - Year).

Activity 1 Write the minutes :







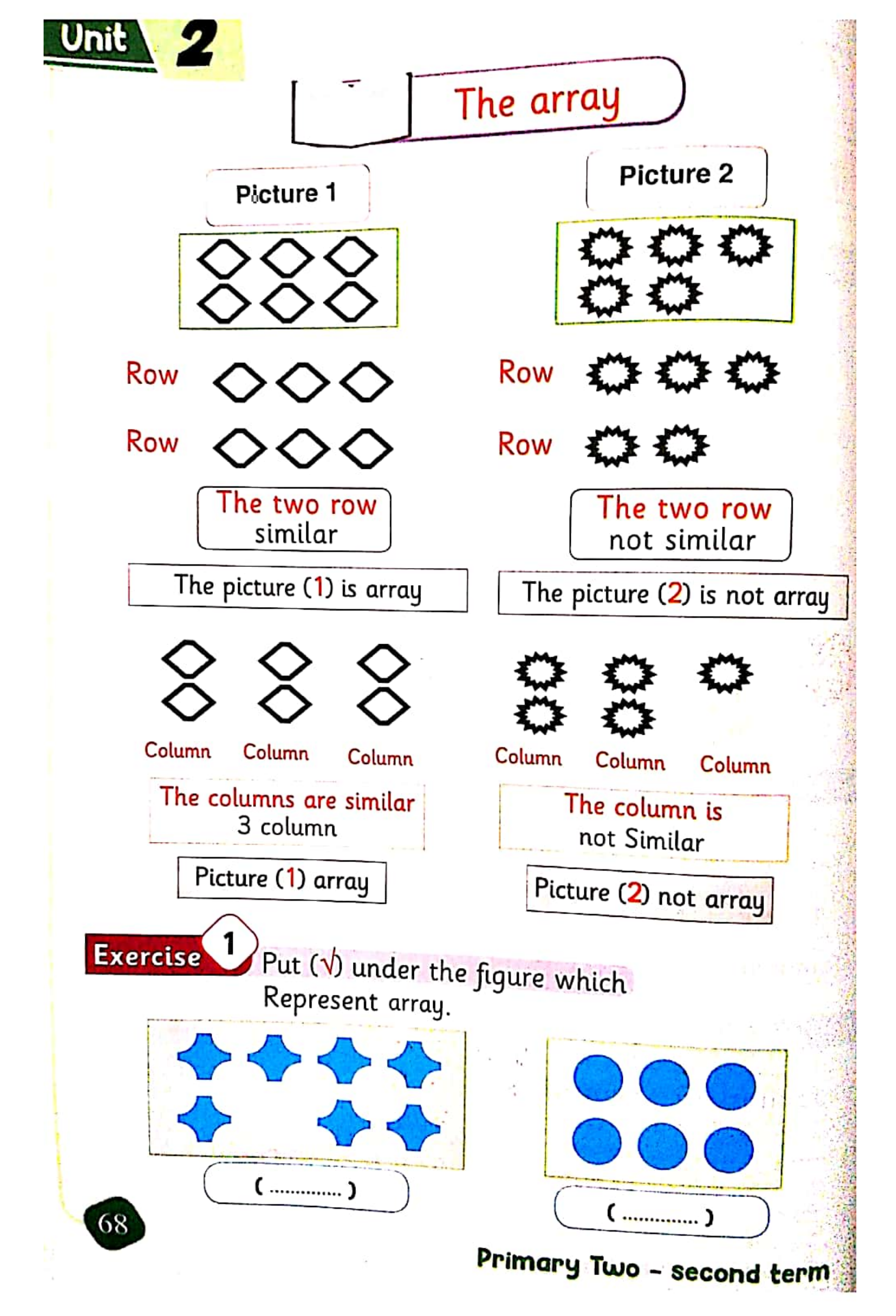


Activity 2 Complete the table :

Yesterday	Thursday	Tuesday	....	....
Today	....	....	....	Sunday
Tomorrow	....	....	Wednesday	....

Activity 3 Complete the table :

January	February	....	April
....	....	July	....
....	October	....	December



The array

Picture 1

Row

Row

The two row
similar

The picture (1) is array

Column Column Column

The columns are similar
3 column

Picture (1) array

Picture 2

Row

Row

The two row
not similar

The picture (2) is not array

Column Column Column

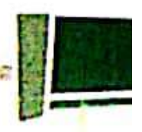
The column is
not Similar

Picture (2) not array

Exercise 1 Put (√) under the figure which Represent array.

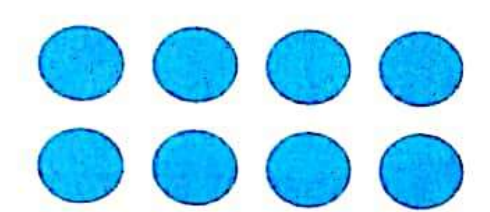
(..............)

(..............)



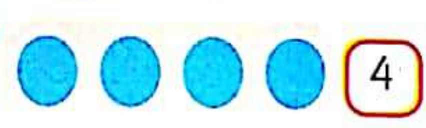


Finding the number of Array by 2 ways :



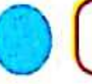
First : using rows

Number of rows








Sum elements of each row

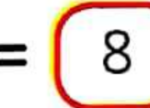


The equation of rows





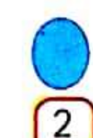
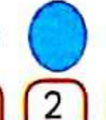
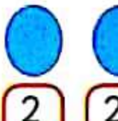




Second : using column

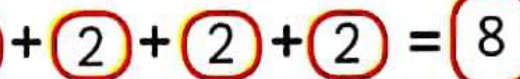
Number of column

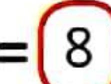


Sum elements of each column

Then The equation of column



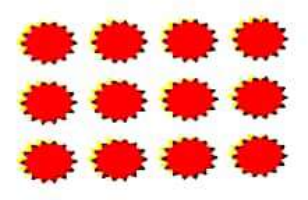


Expressing an array

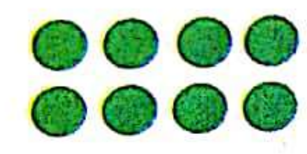
To express the array as : Number of rows by number of column.



Array 2 by 4



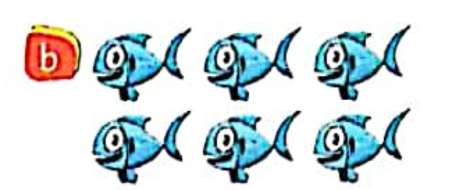
Array 3 by 4



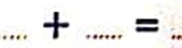
Array 2 by 4

Exercise 2 Write the equation of rows-column
Express an array.

a) Number of rows 2 — 5 + 5 = 10
Number of columns 5 — 2+2+2+2+2 = 1
Then as array 2 by 5



b) Number of rows 2 — 3 + 3 = ...
Number of columns 3 — 2+2+2 = ...
Then as array 2 by ....





c) Number of rows .... — .... + ... = ...
Number of columns 6
....+....+....+....+....+.... = ...
Then as array .... by ....

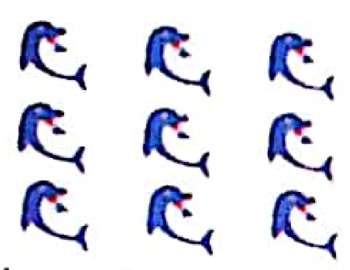
d) Number of rows .... — .... + ... + ... = ...
Number of columns .... — ....+.... = ...
Then as array .... by ....



e) Number of rows .... — .... + ... + ... = ...
Number of columns .... — ....+....+....+.... = ...
Then as array .... by ....

Exercises on lesson (78 , 79 , 80)

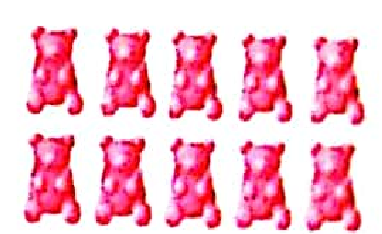
1 Complete the following :



Number of columns ....

Addition equation

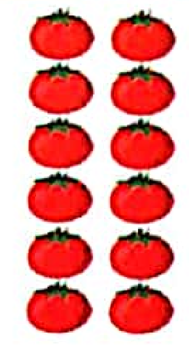
3 + ... + ... = ...



Number of rows ....

Addition equation

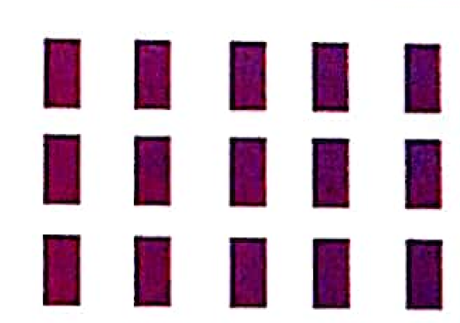
5 + ... = ...



Number of columns ....

Addition equation

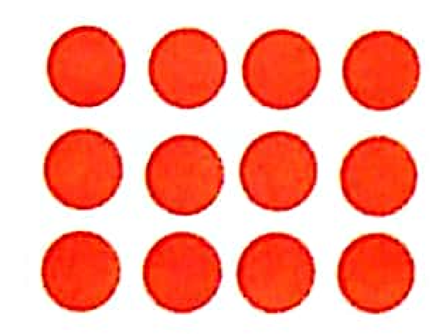
6 + ... = ...



Number of rows ....

Addition equation

5 + ... + ... = ...



Number of columns ....

Addition equation

.... + ... + ... + ... = ...



Number of rows ....

Addition equation

.... + ... + ... = ...

2 Count the number of rows and column and express the array :

Number of rows ....
Number of columns ....
An array .... by ....

Number of rows ....
Number of columns ....
An array .... by ....

Number of rows ....
Number of columns ....
An array .... by ....

Number of rows............
Number of columns ....
An array .... by ....

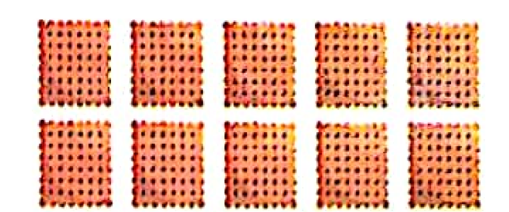
Number of rows ....
Number of columns ....
An array .... by ....

Number of rows ....
Number of columns ....
An array .... by ....

Activities from the school book



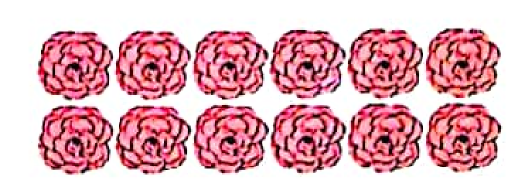
Number of rows ....
Number of columns ....
An array .... by ....



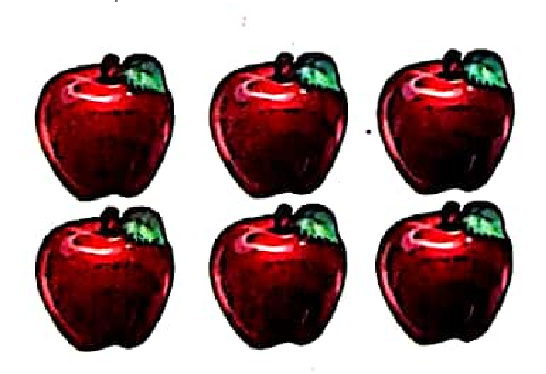
Number of rows ....
Number of columns ....
An array .... by ....



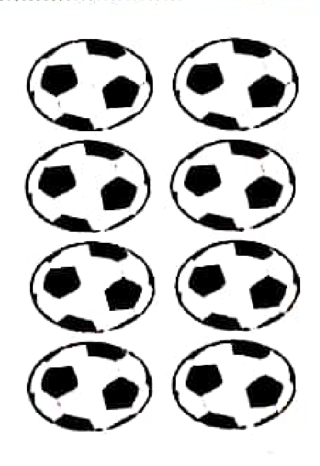
Number of rows ....
Number of columns ....
An array .... by ....



Number of rows ....
Number of columns ....
An array .... by ....



Number of rows ....
Number of columns ....
An array .... by ....



Number of rows ....
Number of columns ....
An array .... by ....



Self - check 1

1 Write the even number just after the following :

a) 2 , ... b) 96 , ... c) 32 , ...

d) 360 , ... e) 274 , ... f) 978 , ...

2 Write the equation of the array :



Number of rows : ....

.... + ... + ... = ...

Number of column : ....

.... + ... + ... + ... = ...

Then as array .... by ....

3 Complete the table :

The addend	The sum	Even/Odd
10 + 2		
20 + 9		
30 + 5		

4 Complete the pattern and join :

13 , 15 , 17 , ... , ... , ...
66 , 76 , 86 , ... , ... , ...
80 , 70 , 60 , ... , ... , ...

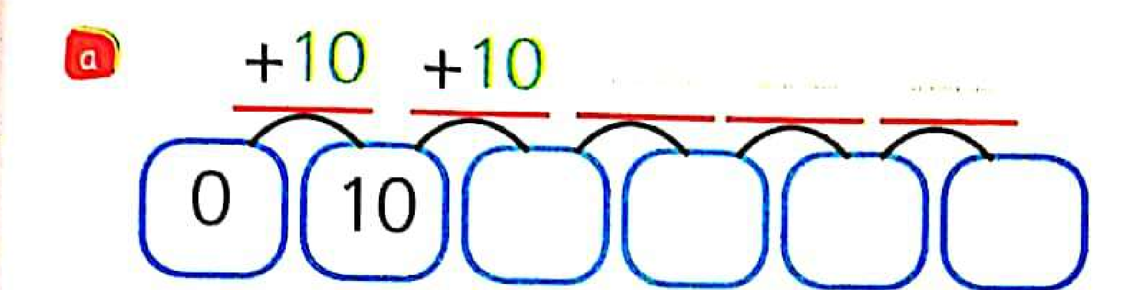
- 10

+ 2

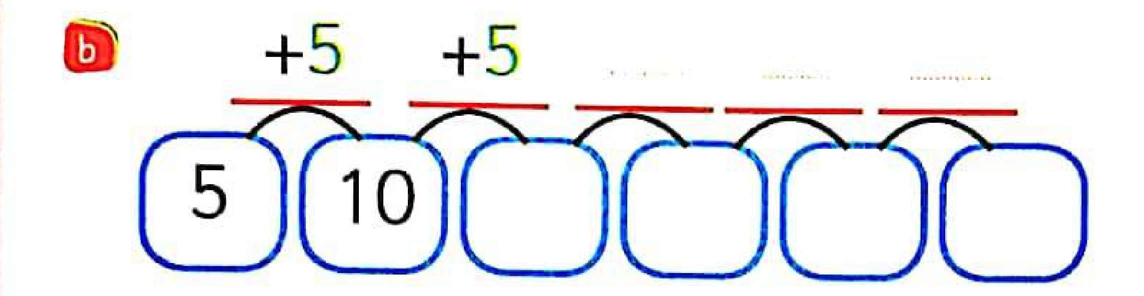
+ 10

5 Complete :

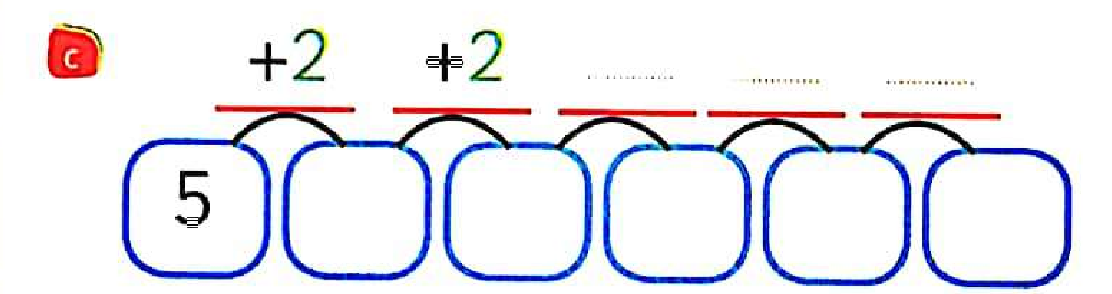
a



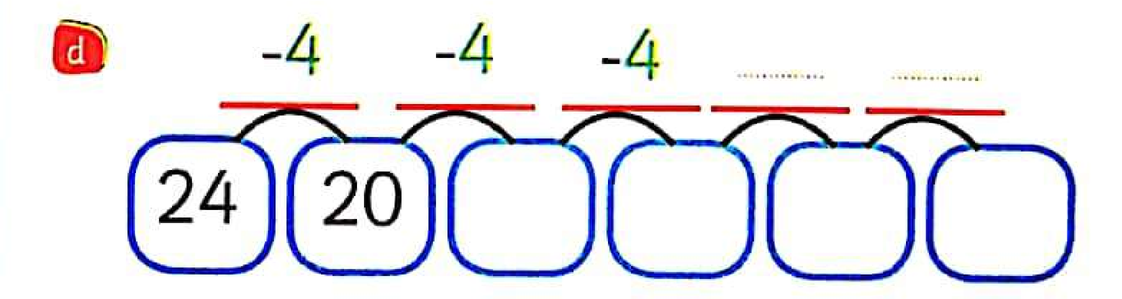
b



c



d



e

-3 +2 -3 ....

10 7





Self - check 2

1 Underline the odd numbers :

201 , 953 , 620 , 510 , 307 , 135 , 200

2 Complete the pattern and write the rule :

	The rule
5 , 10 , 15 , ... , ... , ...	....
4 , 8 , 12 , ... , ... , ...	....
90 , 80 , 70 , ... , ... , ...	....

3 Complete to make 100 :

a 64 , ... b 40 , ... c 98 , ...

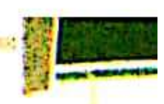
d 50 , ... e 18 , ... f 70 , ...

4 Complete :

Number of rows : ....

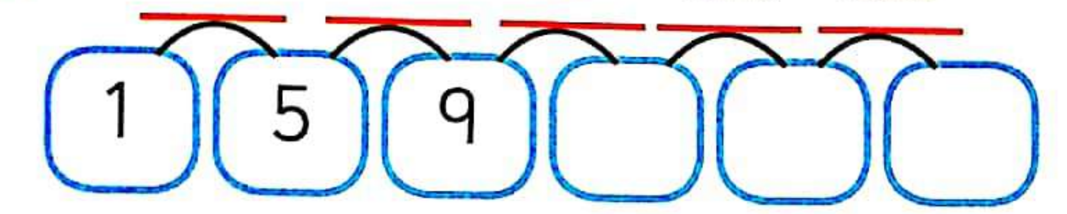
Number of column : ....

Then as array .... by ....



5 Complete :

a



+4 +4 ....

1	5	9			

b

+3 +3 ....

0	3				

c

+2 +2 ....

3					

d

-2 -2 -2 ....

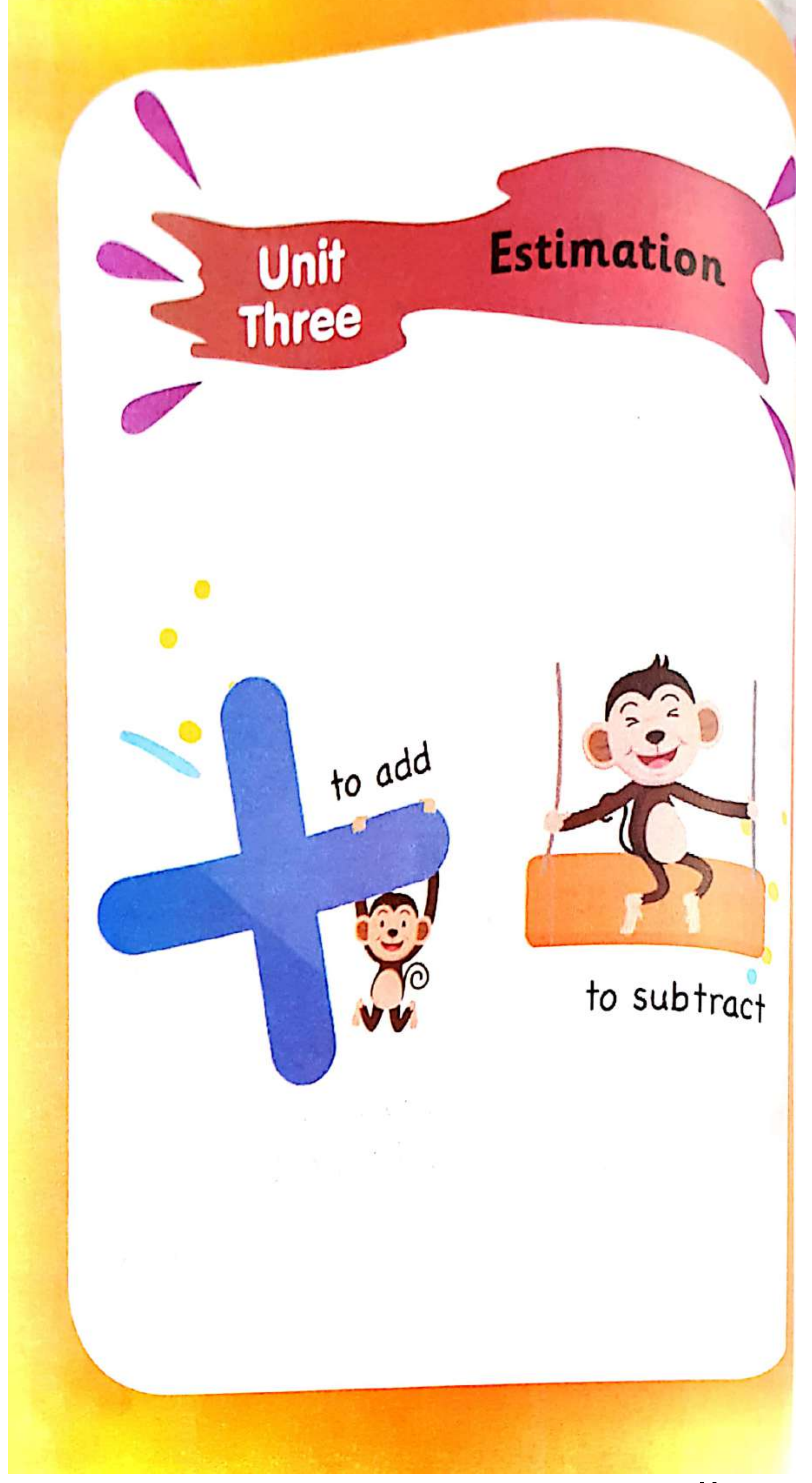
20	18				

e

-3 -3 ....

30					

For more activities and exercises, enjoy with the skill skills


Unit Three
Estimation
to add
to subtract

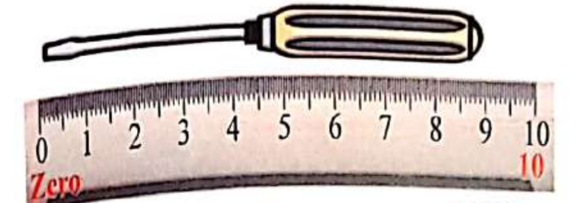
Lesson (81)

Estimation

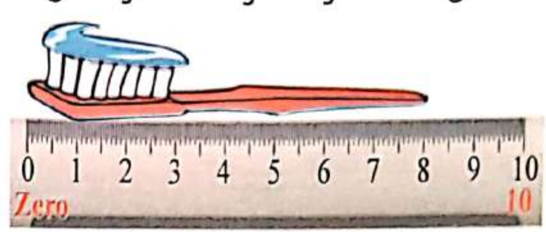


After his parents the student repeats the name of the (Day - Date - Month - Year).

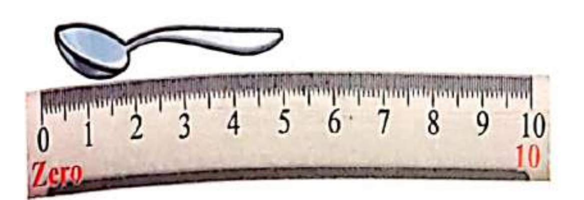
Activity 1 Using ruler write the length of each of the following :



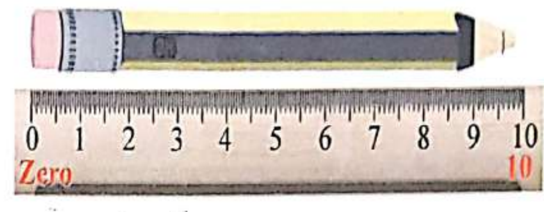
The length = ☐



The length = ☐



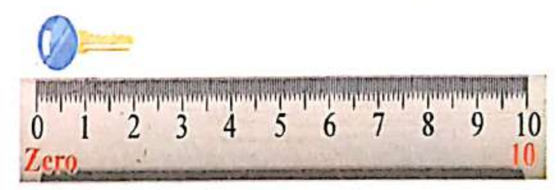
The length = ☐



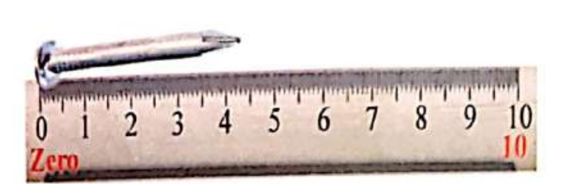
The length = ☐



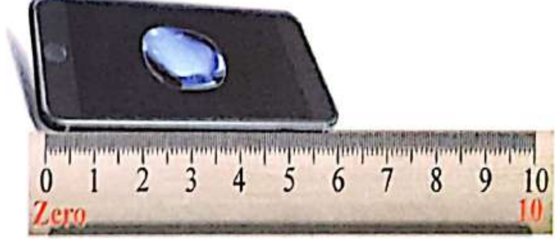
The length = ☐



The length = ☐



The length = ☐



The length = ☐



Activity 2 Estimation :

According to the digit in (The left place) the estimation not gave exactly answer .

First : estimate 32

> 32 contain two digits . cancel the ones and keep the tens as it is , then 32 estimated to 30

So on : 37 estimate to 30



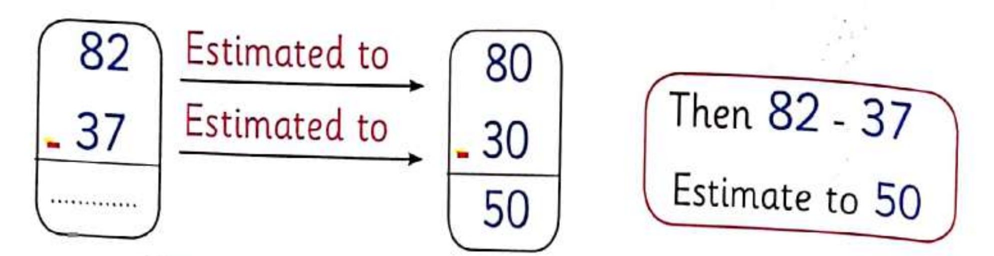
32 Estimated to → 30

+ 54 Estimated to → + 50

.... → 80

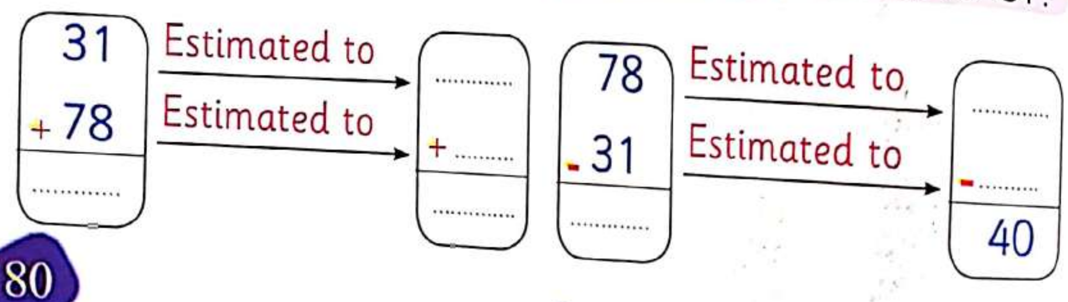
Then 32 + 54 Estimate to 80

Exercise 2 Estimate 82 - 37 :

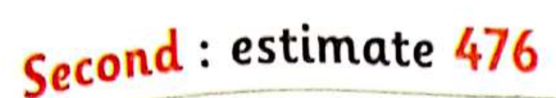










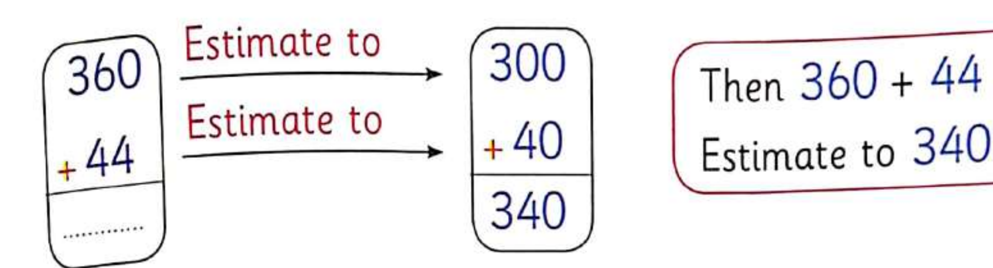


Second : estimate 476

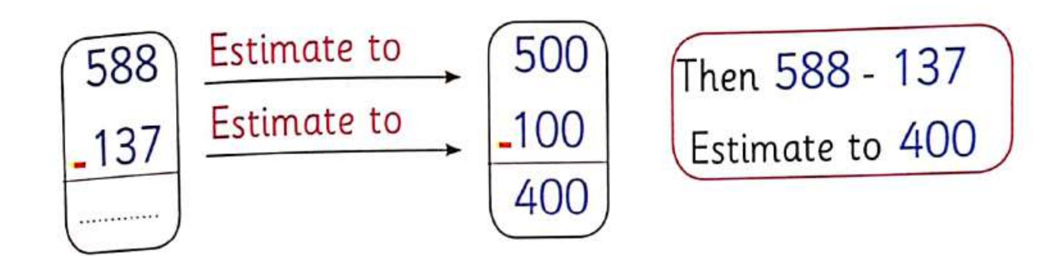
The number 476 contains 3 places ones ,tens, hundreds
Cancel the tens and the ones and keep the hundred as it
Is then 476 estimate to 400 .

So on : 715 estimate to 700

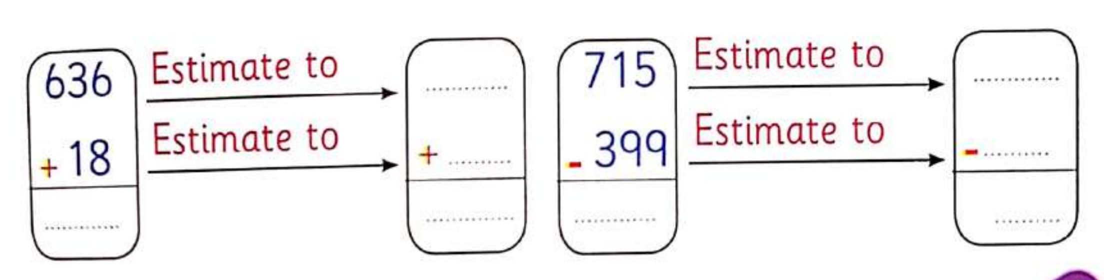
Exercise 5 Estimate 360 + 44 :



Exercise 6 Estimate 588 -137 :

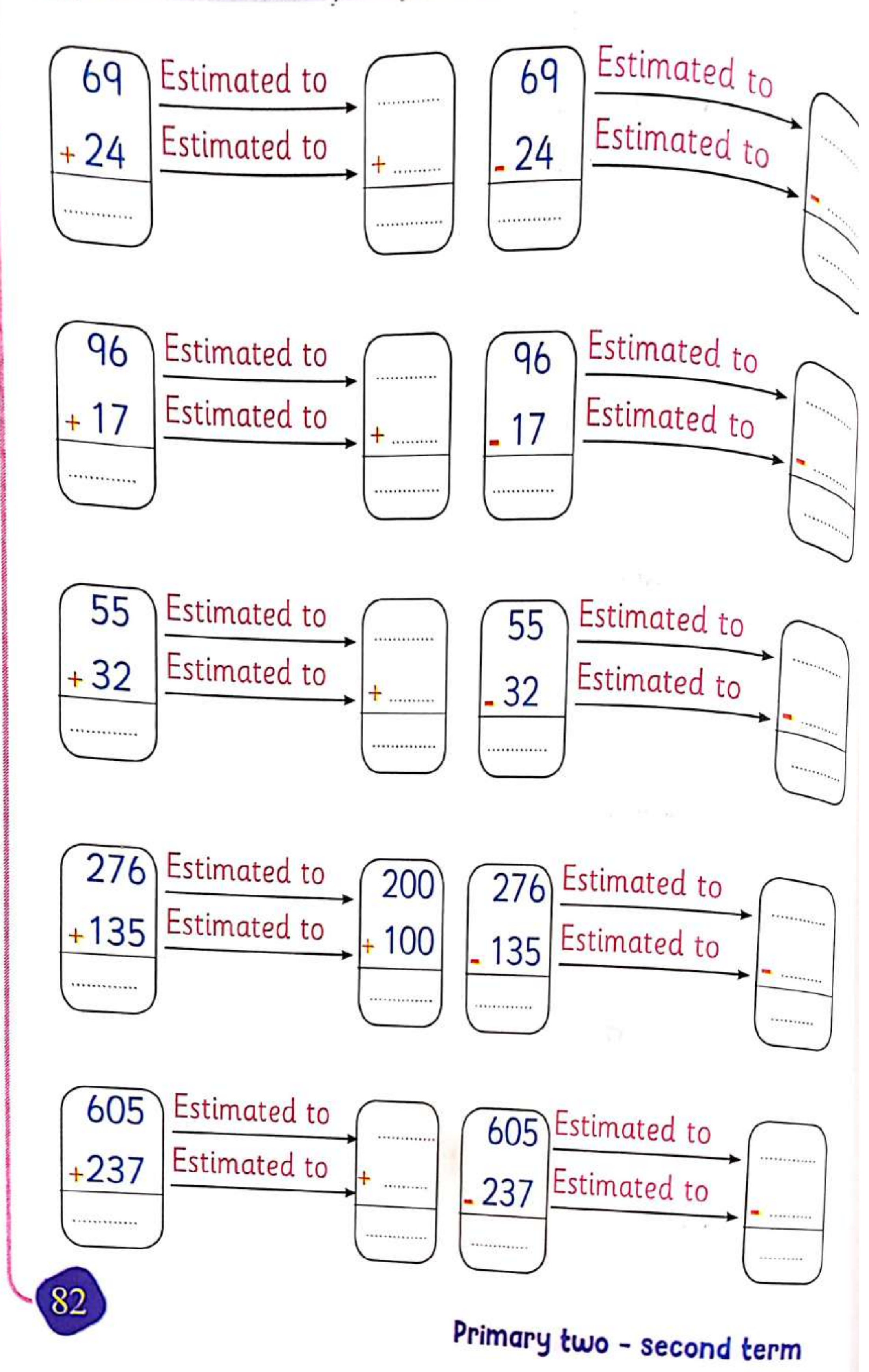






Exercises on lesson (81)

1 Find the result of the following :



2 Estimate the following :

Problem	Estimate
68 + 21	60 + 20 = 80
56 + 31	.... + ... = ...
120 + 340	.... + ... = ...
470 - 260	.... - .... = ...
31 + 56	.... + ... = ...
303 + 569	.... + ... = ...
84 - 43	.... - .... = ...
409 - 298	.... - .... = ...
290 - 110	.... - .... = ...
199 - 88	.... - .... = ...

Remember : That the estimation used to find value near to the exactly value

Activities from the school book

Activity 1 Estimate the following :

Estimate to 82 + 54 → [80] + [50] = [130]

a) 93 - 41 → [ ] - [ ] = [ ]

b) 53 + 15 → [ ] + [ ] = [ ]

c) 86 - 25 → [ ] - [ ] = [ ]

d) 57 + 22 → [ ] + [ ] = [ ]

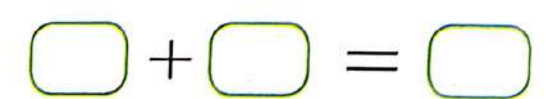
e) 72 - 54 → [ ] - [ ] = [ ]

f) 35 + 92 → [ ] + [ ] = [ ]

g) 140 + 234 → [ ] + [ ] = [ ]

h) 581 - 348 → [ ] - [ ] = [ ]

i) 378 + 234 → [ ] + [ ] = [ ]



Lesson (82 , 83)

Approximation

Activity 1 Approximation :

Approximation is one of the strategies that gave a very near result to the actually result .

*** Using number line to approximating to the nearest 10

First : Approximate to the nearest 10

30 31 32 33 34 35 36 37 38 39 40

From the number Line Notice that

* 32 is near to 30 * 37 is near to 40

Rule :

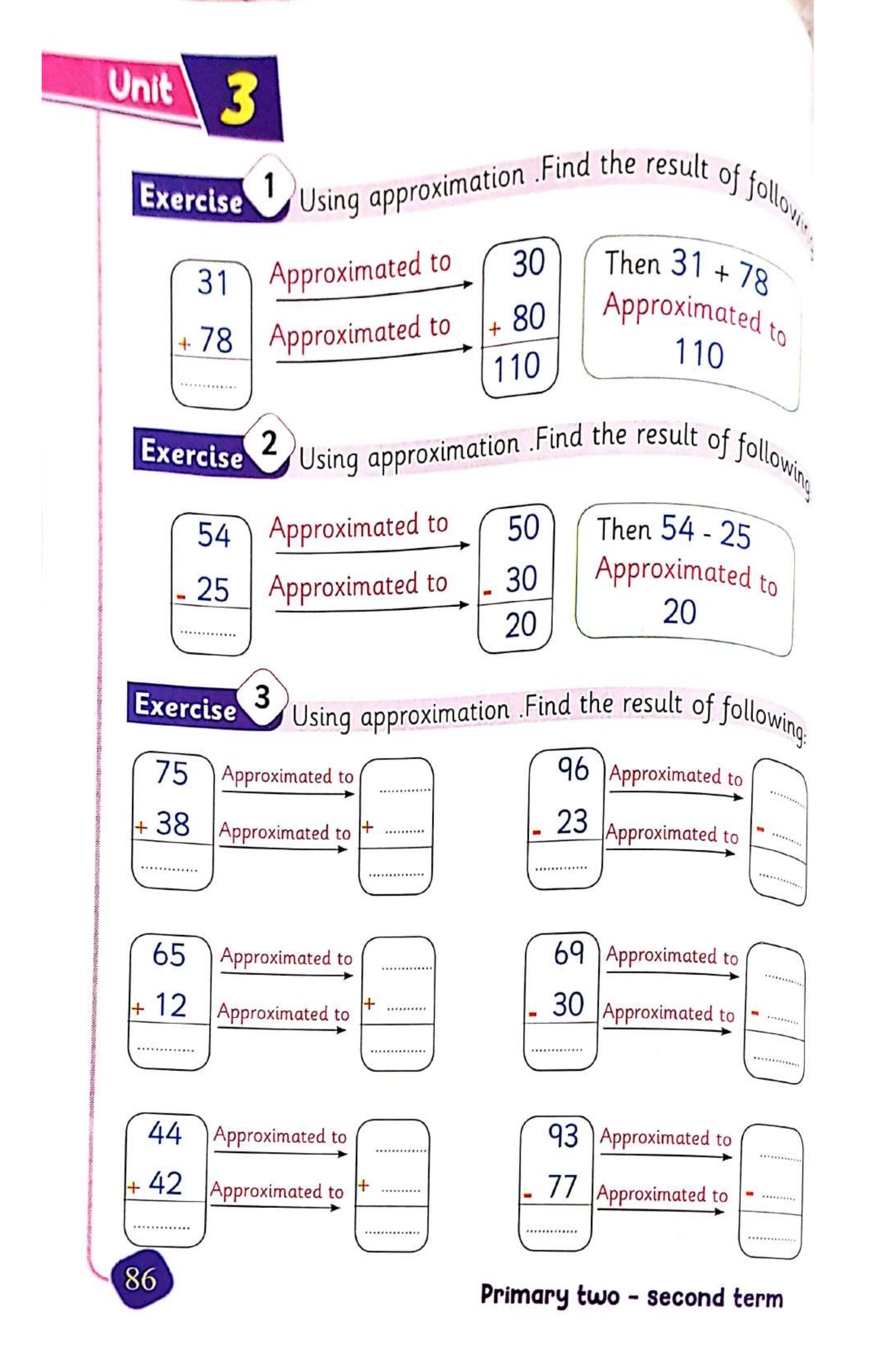
To approximate 2 - digit numbers look at the ones place Remove it and put **0** then do the following .

a) If the ones digits less than 5 keep the tens digit as it is .

b) If the ones digits more than or equal 5 add 1 to the tens digit.

Activity 2 Notice :

Number	Ones digit	Tens digit	Approximate digit
61	1 (less than 5)	6	60 (The tens as it is)
72	2 (less than 5)	7	70 (The tens as it is)
53	3 (less than 5)	5	50 (The tens as it is)
24	4 (less than 5)	2	20 (The tens as it is)
35	5	3	40 (Add 1 to the tens digit)
76	6 (more than 5)	7	80 (Add 1 to the tens digit)
67	7 (more than 5)	6	70 (Add 1 to the tens digit)
18	8 (more than 5)	1	20 (Add 1 to the tens digit)
39	9 (more than 5)	3	40 (Add 1 to the tens digit)


Unit 3
Exercise 1
Using approximation .Find the result of following:
31
+ 78
Approximated to
Approximated to
30
+ 80
110
Then 31 + 78
Approximated to
110
Exercise 2
Using approximation .Find the result of following:
54
- 25
Approximated to
Approximated to
50
- 30
20
Then 54 - 25
Approximated to
20
Exercise 3
Using approximation .Find the result of following:
75
+ 38
Approximated to
Approximated to
96
- 23
Approximated to
Approximated to
65
+ 12
Approximated to
Approximated to
69
- 30
Approximated to
Approximated to
44
+ 42
Approximated to
Approximated to
93
- 77
Approximated to
Approximated to
86
Primary two - second term





Second : approximate to the nearest 100

From the number Line :



* The number 120 approximated to 100
* The number 170 approximated to 200

Rule :

To approximate 3 - digit numbers remove at the tens and ones place and put zero in each place then follow the following.

a) If the tens digits less than 5 keep the hundred place as it is .

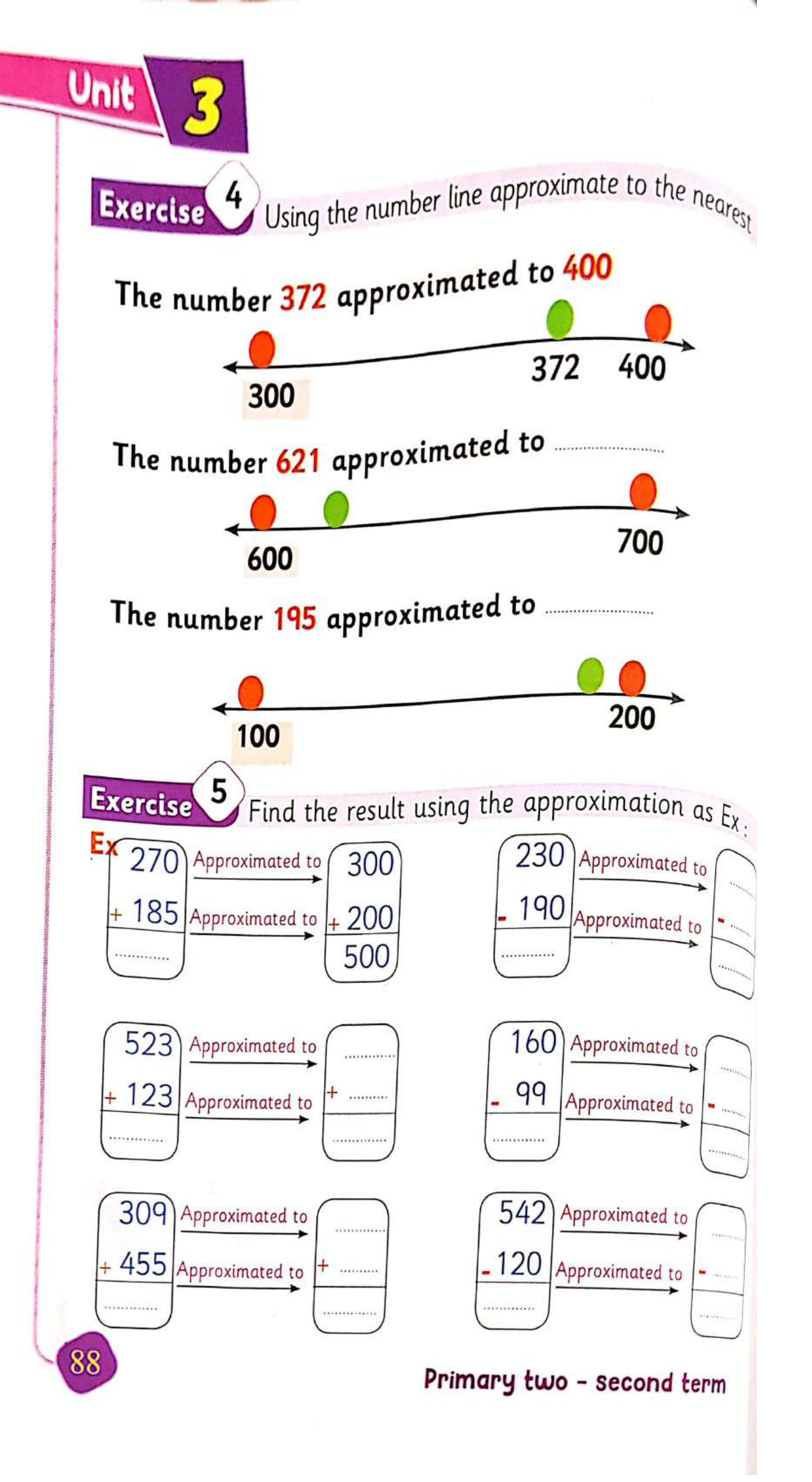
b) If the tens digits more than or equal 5 add one to the hundred digit .

Notice :

Approximate to the nearest 100 gave perfect hundred

Activity 3 Notice :

Number	The tens digit	Hundred digit	Approximate the nearest 100
519	1 (less than 5)	5	500 (The hundred place as it is)
723	2 (less than 5)	7	700 (The hundred place as it is)
137	3 (less than 5)	1	100 (The hundred place as it is)
348	4 (less than 5)	3	300 (The hundred place as it is)
652	5	6	700 (Add 1 to hundred place)
461	6 (more than5)	4	500 (Add 1 to hundred place)
374	7 (more than5)	3	400 (Add 1 to hundred place)
186	8 (more than5)	1	200 (Add 1 to hundred place)
892	9 (more than5)	8	900 (Add 1 to hundred place)



Exercise 4 Using the number line approximate to the nearest

The number **372** approximated to **400**

The number **621** approximated to ....

The number **195** approximated to ....

Exercise 5 Find the result using the approximation as Ex :

Ex:

270	Approximated to →	300
+ 185	Approximated to →	+ 200
....		500

230	Approximated to →	....
- 190	Approximated to →	- ....
....		....

523	Approximated to →	....
+ 123	Approximated to →	+ ....
....		....

160	Approximated to →	....
- 99	Approximated to →	- ....
....		....

309	Approximated to →	....
+ 455	Approximated to →	+ ....
....		....

542	Approximated to →	....
- 120	Approximated to →	- ....
....		....

Exercises on lesson (82 , 83)

1 Complete the following table :

The number	Estimation According to left digit	Approximation
85	80	90
193	....	....
27	....	....
573	....	....
646	....	....
69	....	....
45	....	....

2 Approximate to the nearest 10 using number line :

The approximation of 86 is ....



The approximation of 43 is ....



The approximation of 17 is ....

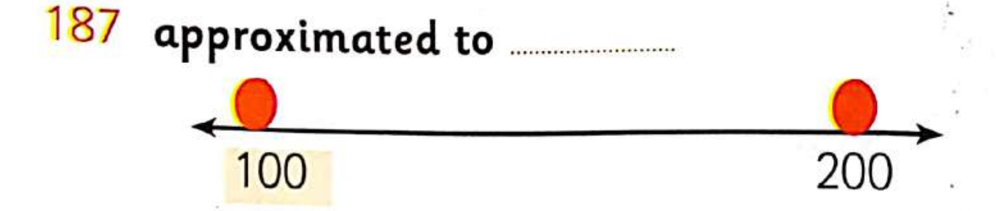


3 Complete the following table :

The problem	The approximation	The result
Ex: 144 + 573	100 + 600	700
905 - 417	.... -	....
67 + 245	.... + ...	....
615 - 317	.... -	....
Eslam has 625 hens and bought another 135 hens estimate the number of hens	.... + ...	....
Miada has 340 pounds she Save anther 170 pounds estimate the number estimate how much remain with him	.... -	....

4 Approximate to the nearest 100 using the number line :

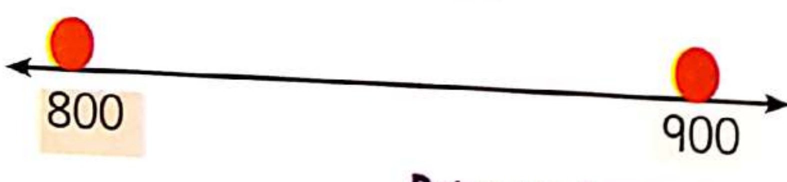
187 **approximated to** ....



434 **approximated to** ....



860 **approximated to** ....



Lesson (84 ,85 ,86)

Adding by renaming

Hint After his parents the student repeats the name of the (Day - Date - Month - Year).

Activity 1 Using ruler to find the length of the following . then arrange the lengths ascendingly:

(........ cm)

(........ cm)

(........ cm)

The order : .... , ..., ...

Activity 2 Join with the suitable unit :

Centimetre

Metre

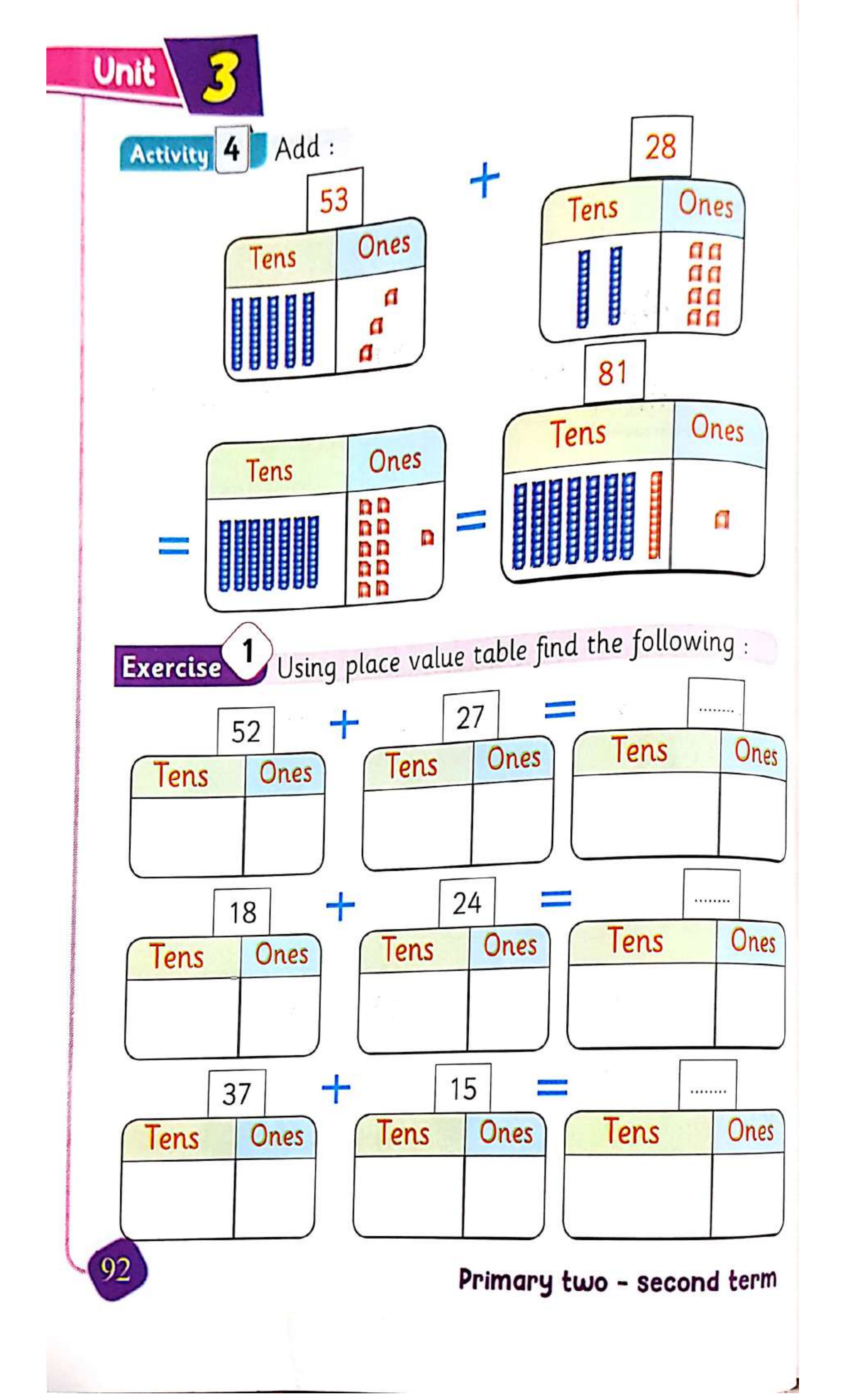
Activity 3 Some units for measuring weight: (Kilogram - Gram)

Kilogram (kg)

Gram (gm)

50 gram

5 kilogram



Activity 4 Add :

53

Tens	Ones

+

28

Tens	Ones

=

Tens	Ones

=

81

Tens	Ones

Exercise 1 Using place value table find the following :

52

Tens	Ones

+

27

Tens	Ones

=

....

Tens	Ones

18

Tens	Ones

+

24

Tens	Ones

=

....

Tens	Ones

37

Tens	Ones

+

15

Tens	Ones

=

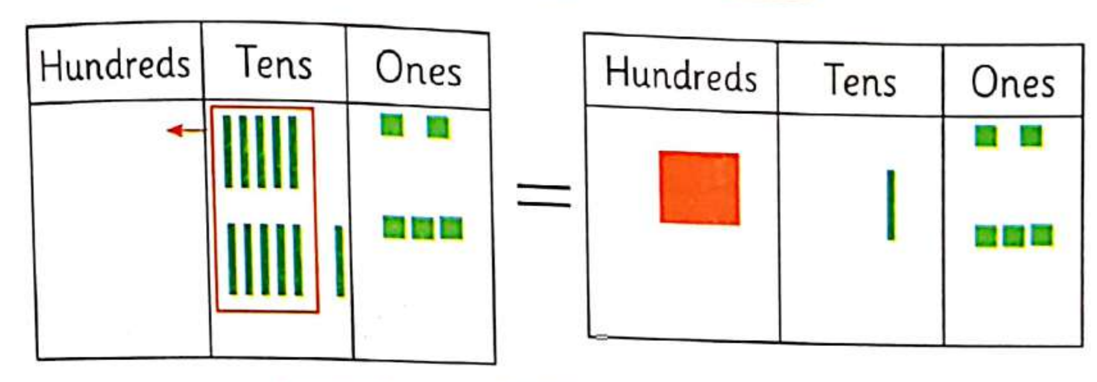
....

Tens	Ones



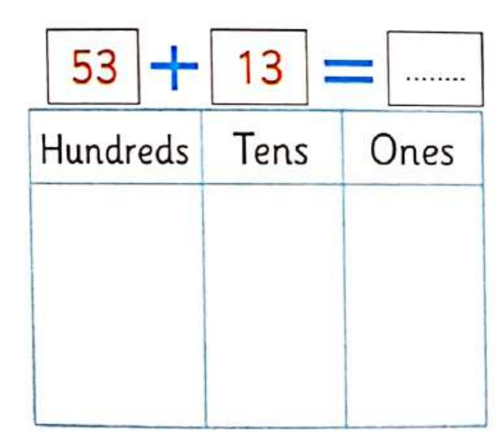
Activity 5 Add :

52 + 63 = ...



52 + 63 = 115

Exercise 2 Using place value table find the following :



53 + 13 = ...

Hundreds	Tens	Ones

32 + 77 = ...

Hundreds	Tens	Ones

35 + 81 = ...

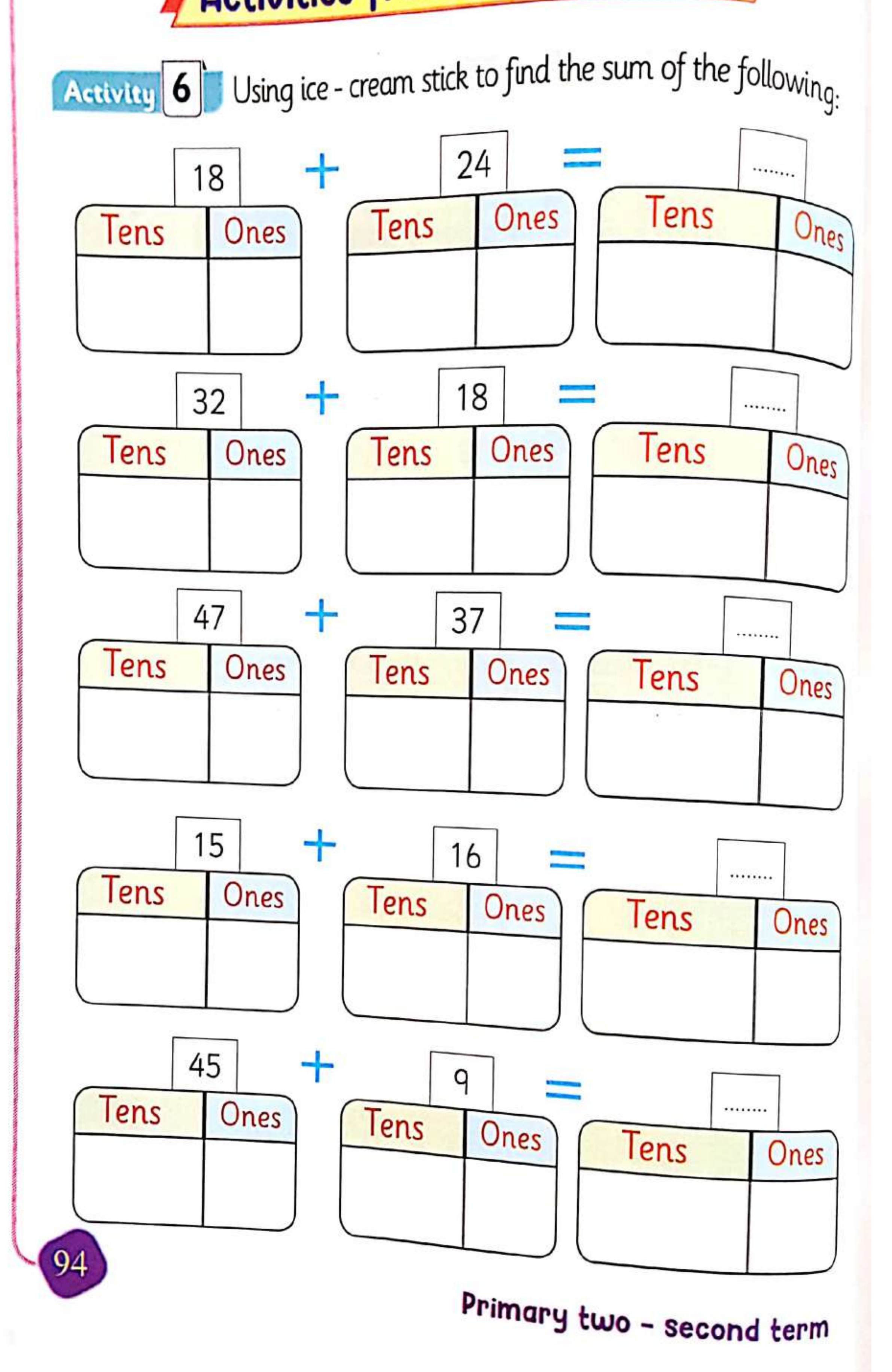
Hundreds	Tens	Ones

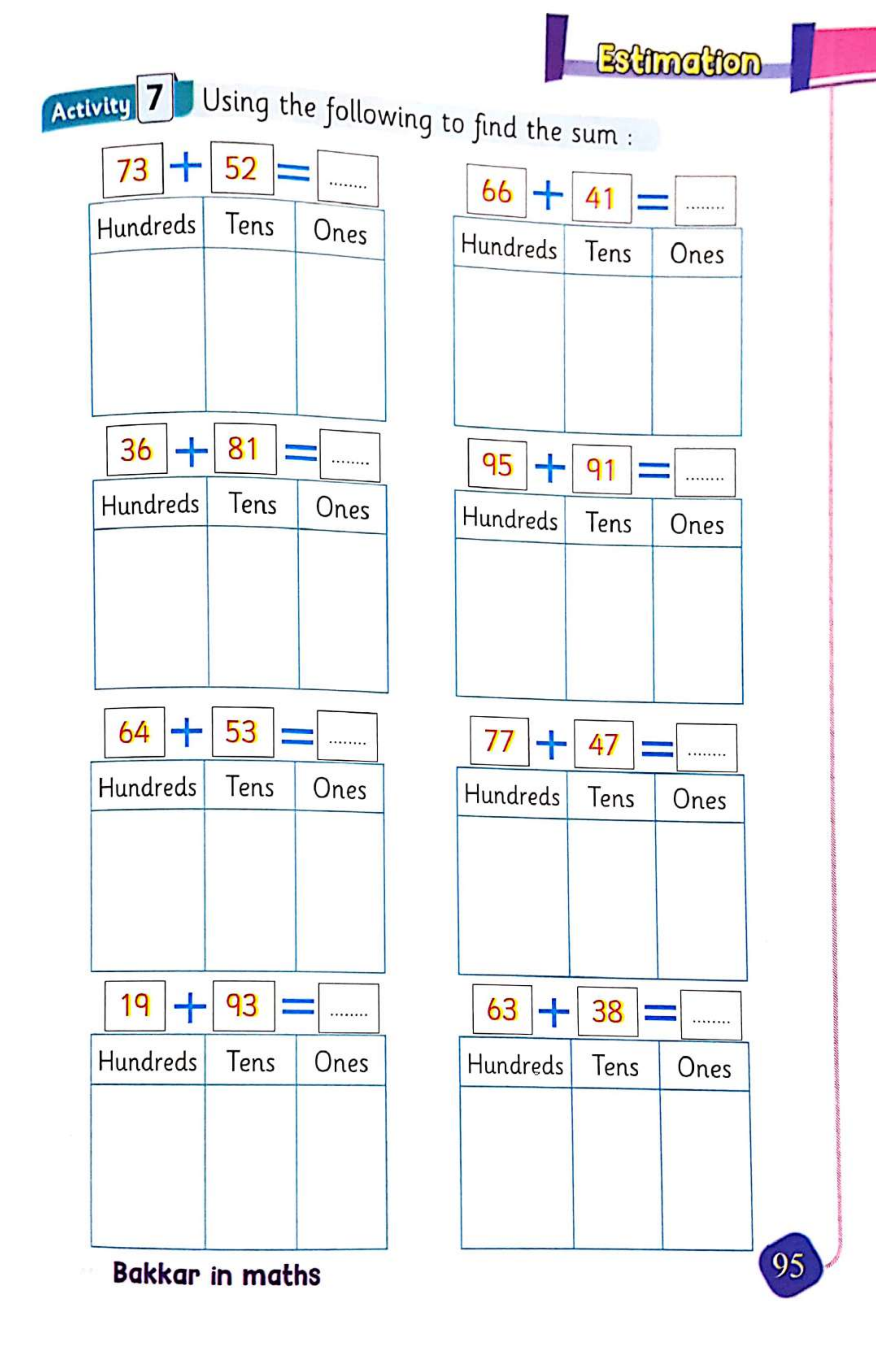
52 + 52 = ...

Hundreds	Tens	Ones

Activities from the school book

Activity 6 Using ice - cream stick to find the sum of the following:





Activity 7 Using the following to find the sum :

73 + 52 = ...

Hundreds	Tens	Ones

66 + 41 = ...

Hundreds	Tens	Ones

36 + 81 = ...

Hundreds	Tens	Ones

95 + 91 = ...

Hundreds	Tens	Ones

64 + 53 = ...

Hundreds	Tens	Ones

77 + 47 = ...

Hundreds	Tens	Ones

19 + 93 = ...

Hundreds	Tens	Ones

63 + 38 = ...

Hundreds	Tens	Ones

Exercises on lesson (84 , 85 , 86)

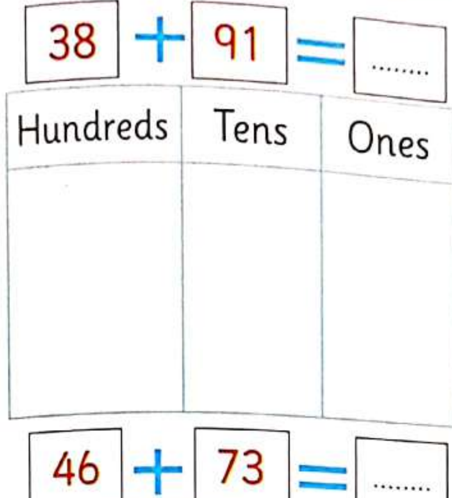
1 Find the result of the following :

77 + 13 = ...	44 + 36 = ...
68 + 14 = ...	53 + 27 = ...
15 + 56 = ...	87 + 3 = ...
28 + 27 = ...	49 + 41 = ...
35 + 38 = ...	36 + 19 = ...

2 Find the result of the following :

65 + 29 = ...	28 + 55 = ...	67 + 15 = ...	92 + 9 = ...	77 + 15 = ...
76 + 18 = ...	45 + 29 = ...	58 + 26 = ...	37 + 56 = ...	33 + 47 = ...

3 Using the place value table find the sum :



38 + 91 = ...

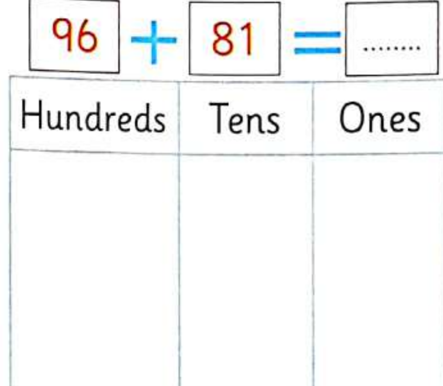
Hundreds	Tens	Ones

88 + 22 = ...

Hundreds	Tens	Ones

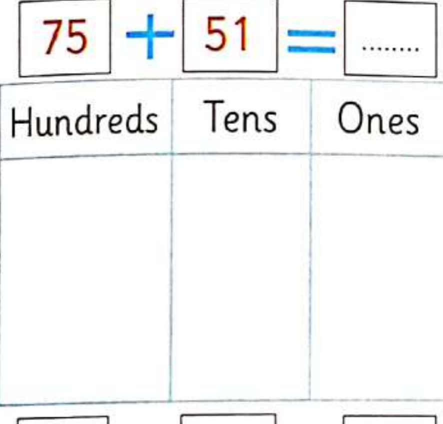
46 + 73 = ...

Hundreds	Tens	Ones



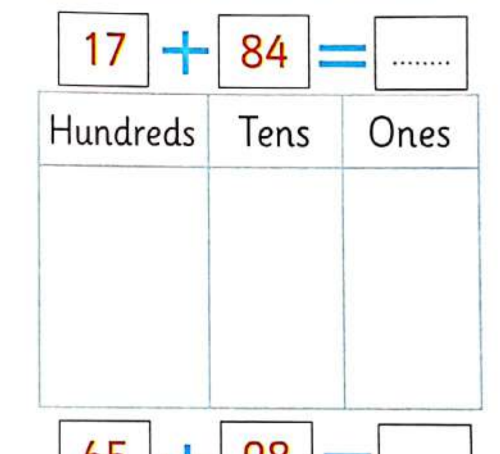
96 + 81 = ...

Hundreds	Tens	Ones



75 + 51 = ...

Hundreds	Tens	Ones



17 + 84 = ...

Hundreds	Tens	Ones

37 + 93 = ...

Hundreds	Tens	Ones

65 + 98 = ...

Hundreds	Tens	Ones

Lesson (87 - 90) Adding strategies



Hint: After his parents the student repeats the name of the (Day - Date - Month - Year).



Activity 1 Join with the suitable weight :

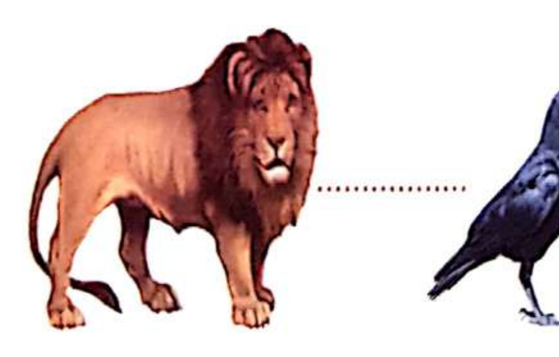
1 Kilogram   30 gram   3 Kilogram   100 Kilogram



Activity 2 Put (< , = , >) according to the weight :

 .... 

 .... 

 ....

 .... 





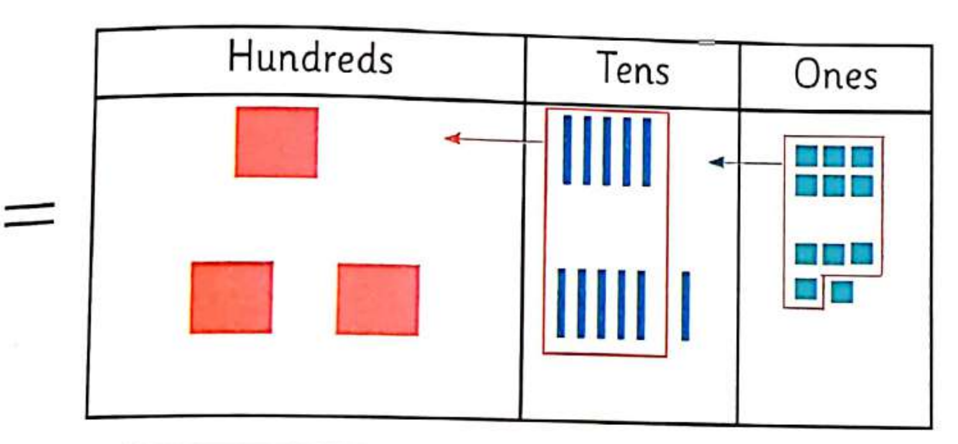
Activity 3 Notice the sum using place value :

156 + 265 = ...

=

Hundreds	Tens	Ones

=



=

Hundreds	Tens	Ones
4	2	1

Then 156 + 265 = 421

Exercises on lesson (86 - 90)

1 Add as the example :

Number	Hundreds	Tens	Ones
156	① 1	① 5	6
265	2	6	5
Sum	4	2	1

Number	Hundreds	Tens	Ones
536	....	....	....
25	....	....	....
Sum	....	....	....

Number	Hundreds	Tens	Ones
619	....	....	....
111	....	....	....
Sum	....	....	....

Number	Hundreds	Tens	Ones
387	....	....	....
426	....	....	....
Sum	....	....	....

Number	Hundreds	Tens	Ones
812	....	....	....
48	....	....	....
Sum	....	....	....

Number	Hundreds	Tens	Ones
145	....	....	....
155	....	....	....
Sum	....	....	....

Number	Hundreds	Tens	Ones
264	....	....	....
351	....	....	....
Sum	....	....	....

Number	Hundreds	Tens	Ones
790	....	....	....
150	....	....	....
Sum	....	....	....

2) Add :

Number	Hundreds	Tens	Ones
638	....	....	....
270	....	....	....
Sum	....	....	....

Number	Hundreds	Tens	Ones
477	....	....	....
262	....	....	....
Sum	....	....	....

Number	Hundreds	Tens	Ones
583	....	....	....
365	....	....	....
Sum	....	....	....

Number	Hundreds	Tens	Ones
381	....	....	....
494	....	....	....
Sum	....	....	....

Number	Hundreds	Tens	Ones
724	....	....	....
247	....	....	....
Sum	....	....	....

Number	Hundreds	Tens	Ones
555	....	....	....
182	....	....	....
Sum	....	....	....

Number	Hundreds	Tens	Ones
789	....	....	....
174	....	....	....
Sum	....	....	....

Number	Hundreds	Tens	Ones
136	....	....	....
82	....	....	....
Sum	....	....	....

Activities from the school book

Activity ● put (*) for the true answer :

a

123
+ 59
———
172

(........................)

b

Round 35 to the nearest ten is 30

(........................)

c

99
+ 8
———
107

(........................)

d

Round to estimate the sum of

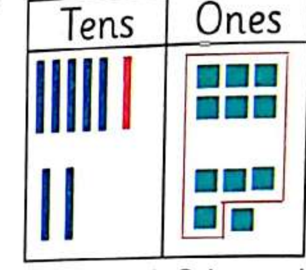
38 + 48

40 - 30 =10

(........................)

e

Layla baked 56 cookies , Amir baked 25 cookies. How many cookies did they bake all together?



They baked 81 cookies

(........................)



f

150
+ 67
———
217

(........................)

g

Round to the nearest 10 to Estimate the Difference of

87 - 21

80 - 20 =70

(........................)



h

Estimate the difference Of 150 - 82

100 - 80 =20

(........................)







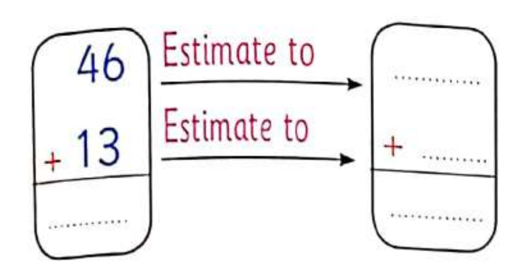
Self - check 1

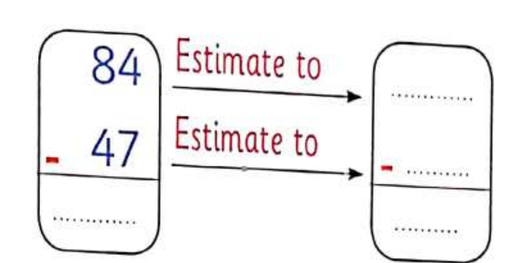
1 Approximate to the nearest 10 by using the number line:

94 approximately equal ....

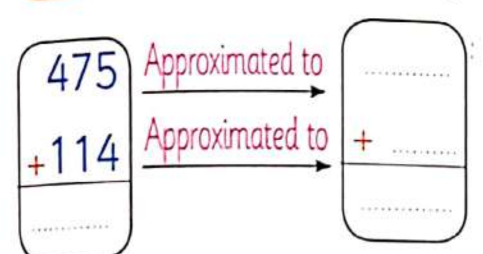


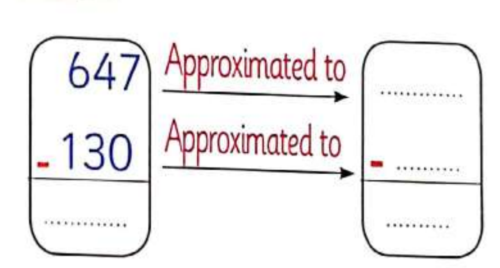
2 Estimate using the left digit :



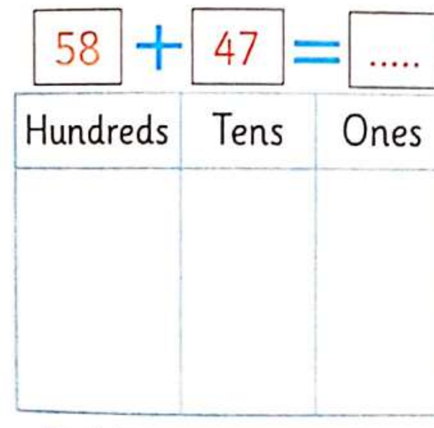


3 Approximate then find the result :





4 Using the table of place value to find



Hundreds	Tens	Ones

198 + 141 = ...

Hundreds	Tens	Ones

5 Add as the example :

(1) (1) 1 4 6 + 2 5 5 ——— 4 0 1	2 6 5 + 1 4 7 ———	1 0 6 + 3 5 8 ———
4 4 9 + 1 6 6 ———	1 9 8 + 5 4 0 ———	3 5 7 + 1 5 4 ———
3 3 3 + 3 7 0 ———	3 1 7 + 1 9 9 ———	5 2 5 + 3 9 5 ———
1 8 6 + 5 4 8 ———	6 7 0 + 1 2 8 ———	2 2 2 + 5 9 9 ———
2 5 2 + 2 4 8 ———	1 1 5 + 5 8 8 ———	1 6 6 + 1 4 6 ———
4 9 6 + 4 1 8 ———	1 6 4 + 3 4 7 ———	1 9 3 + 5 0 9 ———





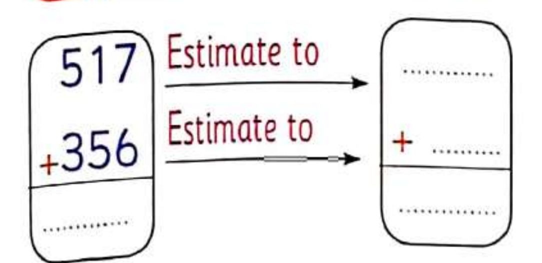
Self - check 2

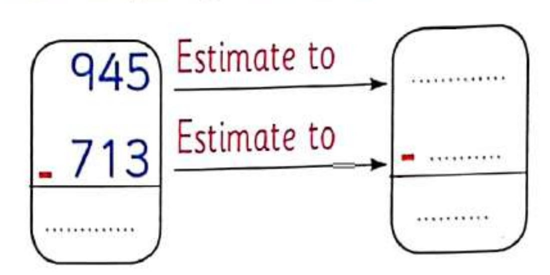
1 Approximate to the nearest 100 :

253 approximated to ....

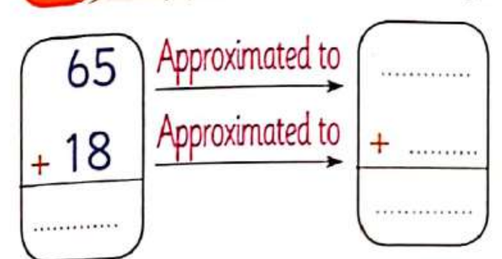


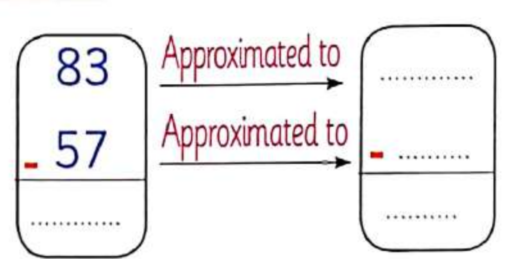
2 Estimate the following according to the left digit then answer :



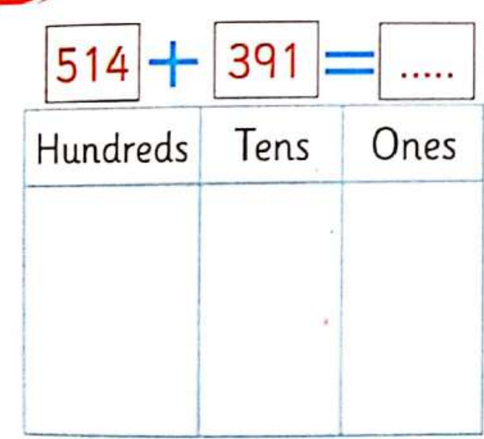


3 Approximate and find the sum :





4 Using the table of place value find :



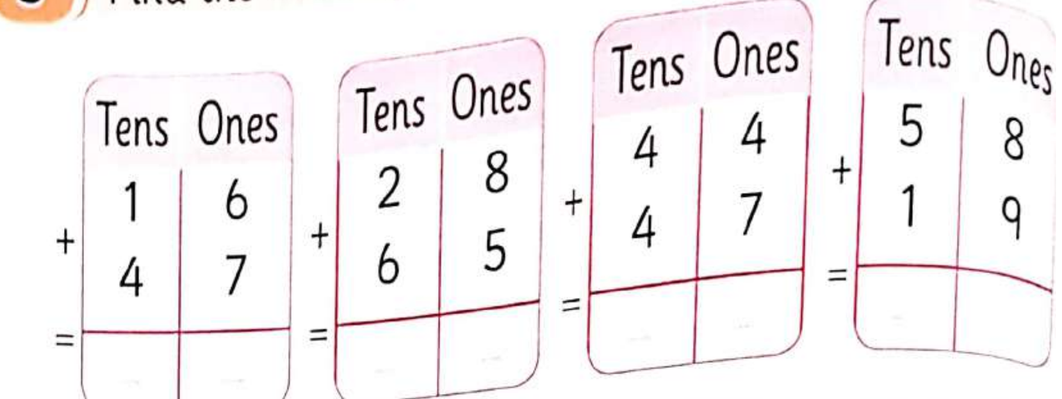
514 + 391 = ...

Hundreds	Tens	Ones

79 + 56 = ...

Hundreds	Tens	Ones

5 Find the result of the following :



	Tens	Ones
	1	6
+	4	7
=		

	Tens	Ones
	2	8
+	6	5
=		

	Tens	Ones
	4	4
+	4	7
=		

	Tens	Ones
	5	8
+	1	9
=		

	Tens	Ones
	4	2
+	1	8
=		

	Tens	Ones
	3	9
+	5	4
=		

	Tens	Ones
	4	7
+	1	5
=		

	Tens	Ones
	1	3
+	4	9
=		

	Hundreds	Tens	Ones
	3	6	2
+	3	0	8
=			

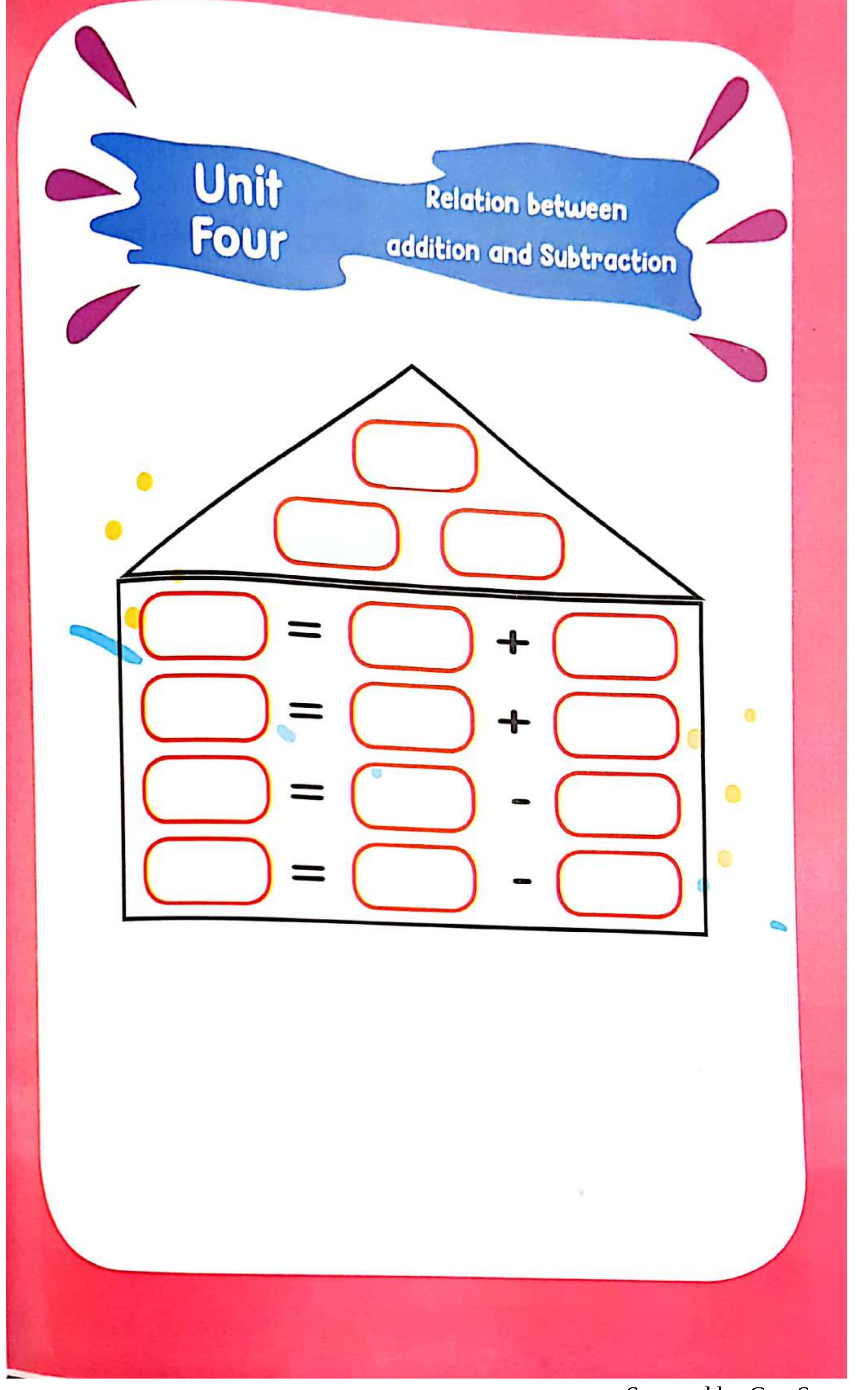
	Hundreds	Tens	Ones
	6	2	9
+	2	2	1
=			

	Hundreds	Tens	Ones
	1	6	5
+	1	9	9
=			

	Hundreds	Tens	Ones
	2	5	5
+	2	4	6
=			

	Hundreds	Tens	Ones
	3	7	8
+	4	2	8
=			

	Hundreds	Tens	Ones
	7	3	7
+		6	5
=			


Unit
Four
Relation between
addition and Subtraction
=
+
=
+
=
-
=
-

Lesson (91)

Relation between addition and Subtraction

Hint After his parents the student repeats the name of the (Day - Date - Month - Year).

Activity 1 Look to the following numbers then complete :

123 . 501 . 19 . 71 . 1

a) The common digit in all previous number is ....

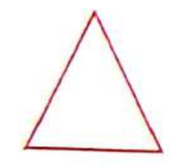
b) The ascending order is .... , ... , ... , ... , ...

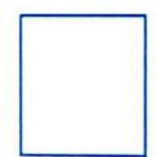
c) 123 = ... + 20 + 3

d) Complete the table :

The number	The place value of (1)	The value of (1)
501		
19		
1		

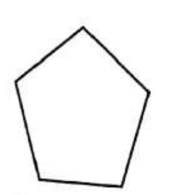
Activity 2 Remember the 2D shapes :

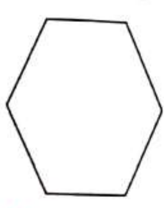

Triangle


Square


Rectangle


Circle


Pentagon


Hexagon



Fact families

Activity 1 Sentences that related with 6, 4, 10 :

4	+	6	=	10
6	+	4	=	10
10	-	6	=	4
10	-	4	=	6

10

6 4

4	+	6	=	10
6	+	4	=	10
10	-	6	=	4
10	-	4	=	6

Note : in subtraction operation we must start with the biggest number

Exercise 1 Sentences that related with 5 , 7, 12 :

Then complete the fact families.

5	+	7	=	...
...	+	5	=	12
12	-	7	=	...
...	-	5	=	7

12

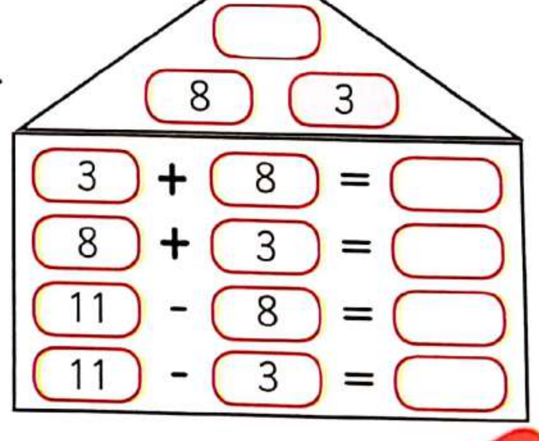
5 7

5	+	7	=	12
7	+	5	=	12
12	-	7	=	5
12	-	5	=	7

Exercise 2 Sentences that related with 3 , 8, 11 :

Then complete the fact families.

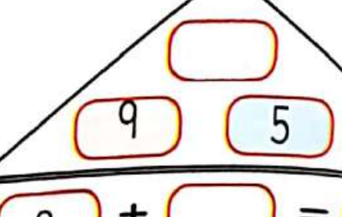
3	+	8	=	....
...	+	3	=	11
11	-	3	=	...
...	-	8	=	3





Activities from the school book

Activity ● Complete sentences and fact families :



Sentences that related 9 . 5 . ....

9 + 5 = ...

.... + 5 = 14

14 - 5 = ...

.... - 9 = 5

9 + ___ = ___

___ + 9 = ___

___ - ___ = ___

___ - ___ = ___

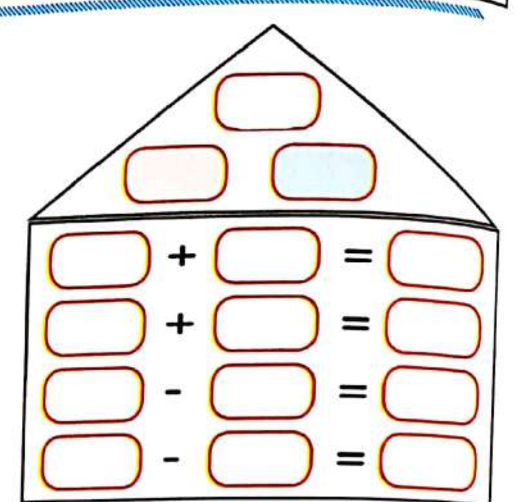
Sentences that related 1 . 6 . 7

1 + 6 = ...

.... + 1 = 7

7 - 1 = ...

.... - 6 = 1



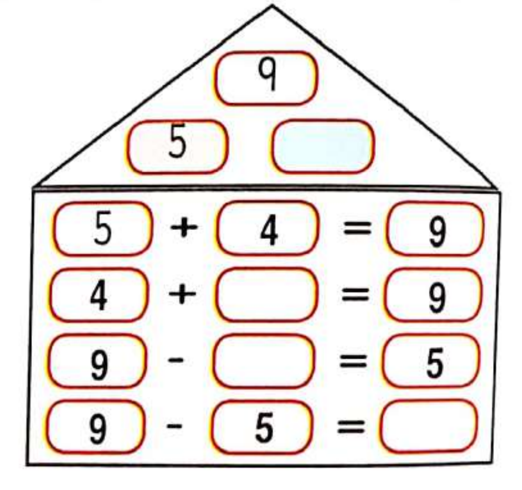
Sentences that related 9 . 5 . ....

5 + ___ = 9

.... + 5 = 9

9 - 5 = ...

.... - 4 = 5



Exercises on lesson (91)

1 Complete fact families :

1 Sentences are related with 13,4,9

	9	4		
9	+		=	
	+	9	=	
13	-		=	
	-		=	

2 Sentences are related with 11,5,16

	11	5		
11	+		=	
5	+		=	
	-		=	
	-		=	

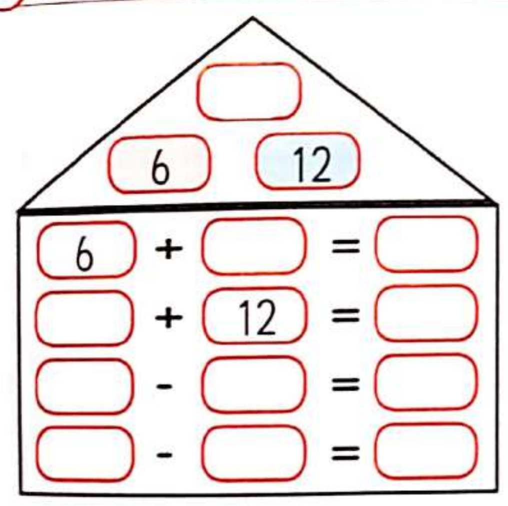
3 Sentences are related with 8,5,13

	8	5		
5	+		=	
8	+		=	
13	-		=	
	-		=	

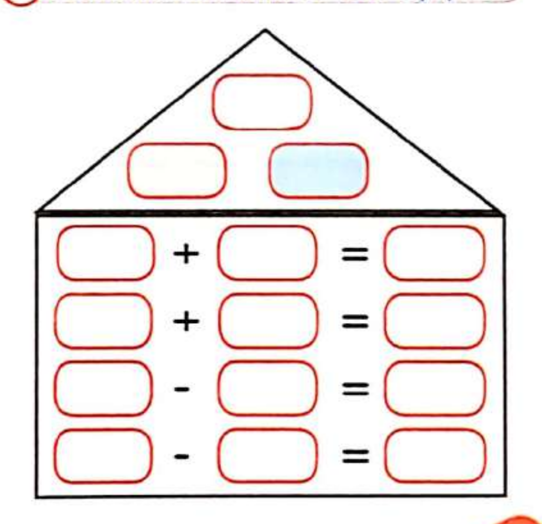
4 Sentences are related with 7,9,16

	+		=	
	+		=	
16	-		=	
	-		=	

5 Sentences are related with 6,12,....



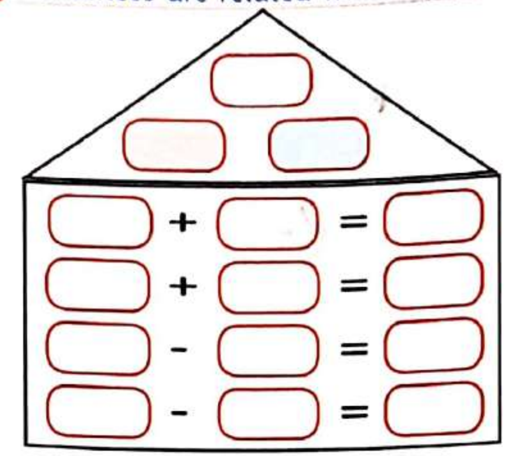
6 Sentences are related with 3,7,10



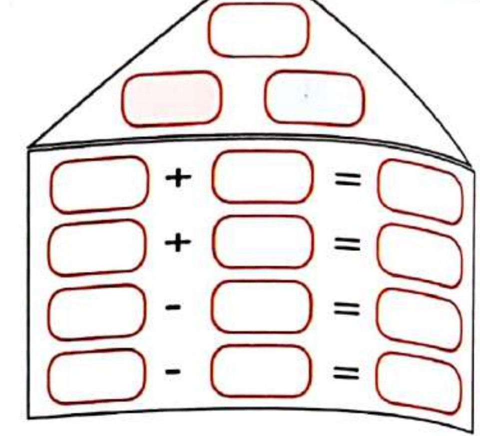


(2) Complete fact families :

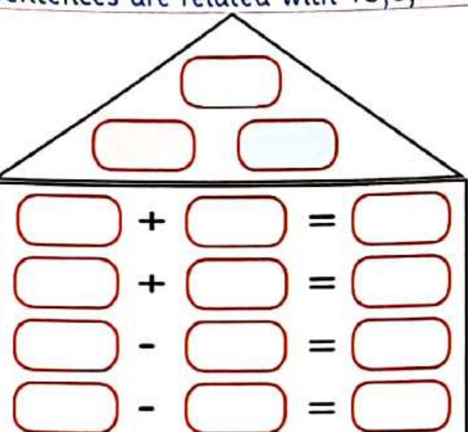
(1) Sentences are related with 14,6,8



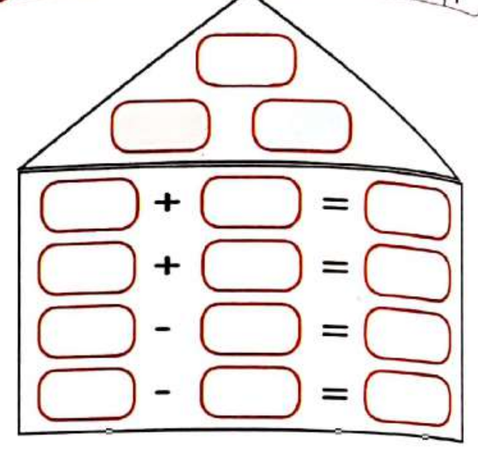
(2) Sentences are related with 11,7,4



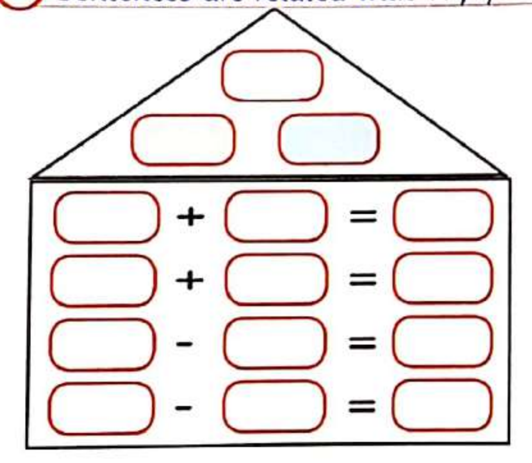
(3) Sentences are related with 15,8,7



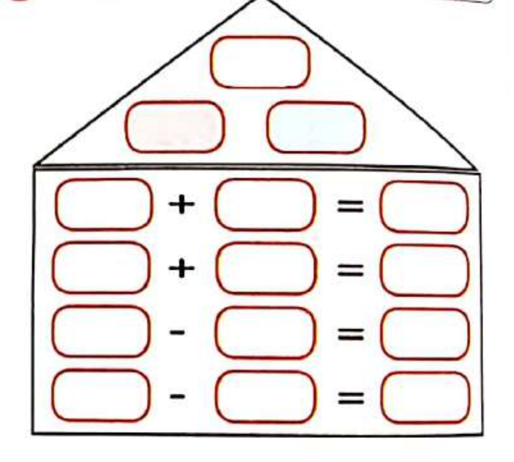
(4) Sentences are related with 14,10,4

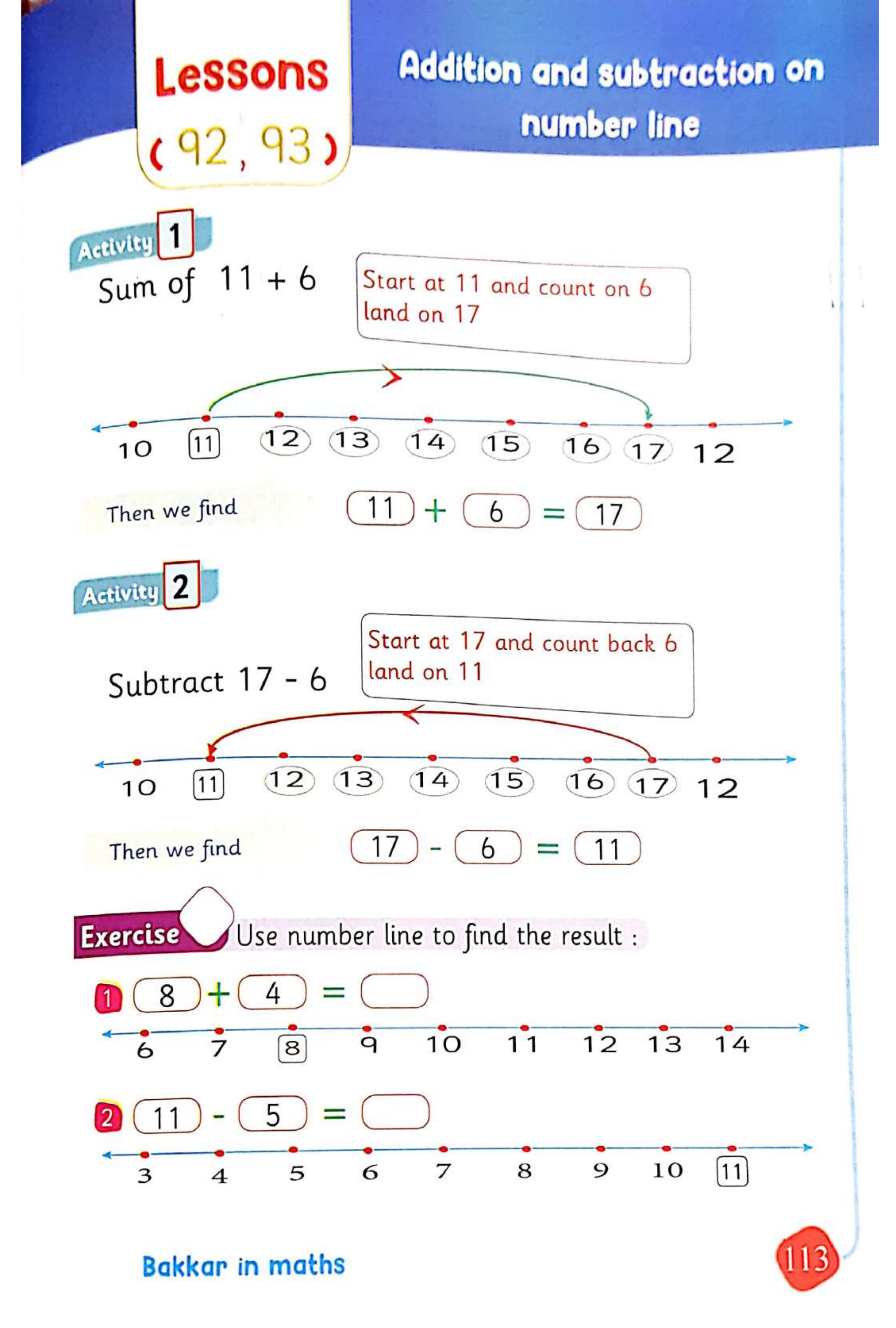


(5) Sentences are related with 17,9,8



(6) Sentences are related with 15,6,9





Lessons (92, 93)

Addition and subtraction on number line

Activity 1

Sum of 11 + 6

Start at 11 and count on 6
land on 17

10 11 12 13 14 15 16 17 12

Then we find 11 + 6 = 17

Activity 2

Subtract 17 - 6

Start at 17 and count back 6
land on 11

10 11 12 13 14 15 16 17 12

Then we find 17 - 6 = 11

Exercise Use number line to find the result :

1) 8 + 4 = ____

6 7 8 9 10 11 12 13 14

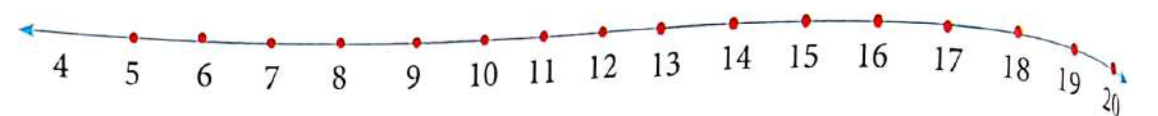
2) 11 - 5 = ____

3 4 5 6 7 8 9 10 11



Activities from the school book

Activity 1 Use the number line for subtracting . Then record the difference :

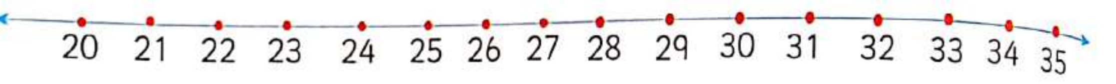


(a) 16 - 7 = ☐ (b) 17 - 8 = ☐

(c) 15 - 9 = ☐ (d) 16 - 9 = ☐

(e) 18 - 10 = ☐ (f) 19 - 12 = ☐

Activity 2 Use the number line for subtracting . Then record the difference :



(a) 35 - 15 = ☐ (b) 29 - 5 = ☐

(c) 28 - 8 = ☐ (d) 33 - 13 = ☐

Activity 3 Use the number line for subtracting . Then record the difference :

40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55

(a) 53 - 8 = ☐ (b) 54 - 9 = ☐

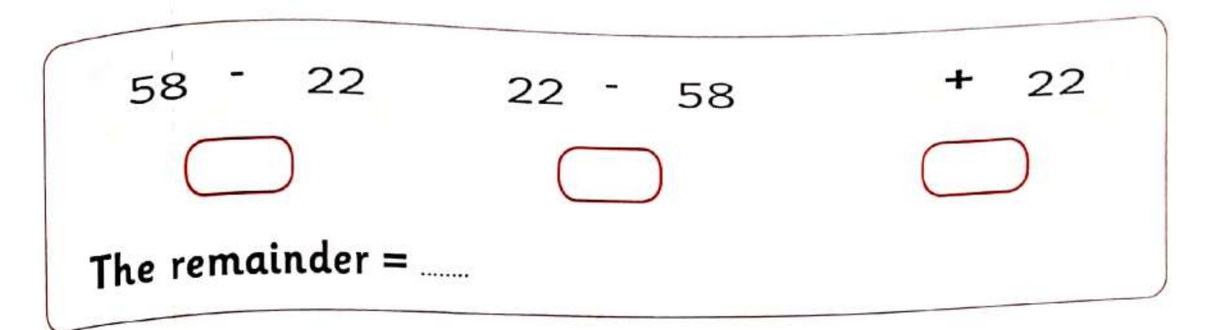
(c) 49 - 6 = ☐ (d) 51 - 7 = ☐

Exercises on lessons (92 , 93)

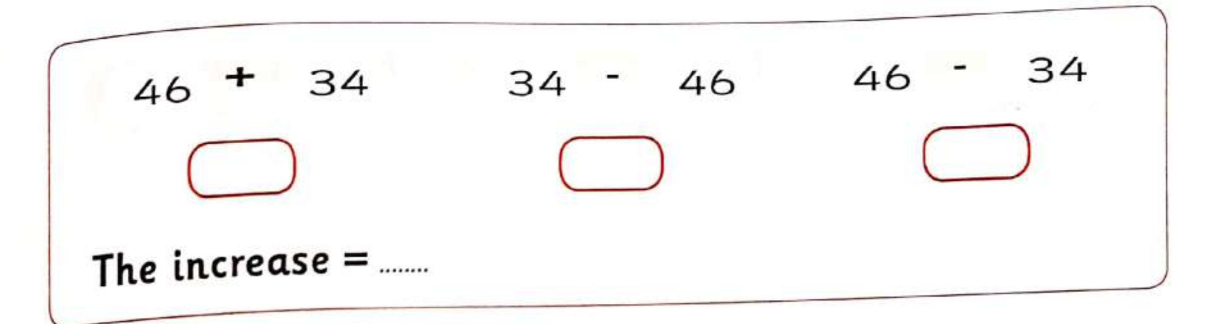
1 Put √ under the correct solution. Then find the result:

a Farah had 58 pounds, she gave 22 to his sister.

How many pounds are left with Farah ?



b Amir has 46 Apples . Miar has 34 Apples .
How many more Apples Amir has than Amir?



c Samir bought 48 pieces of biscuits and gave his sister 22 pieces. How many pieces of biscuits are left?

48 + 22 ☐ 48 - 22 ☐ 22 - 48 ☐

The left = ...



2 Put √ under the correct solution. Then find the result:

a In the class there are 35 girls and 13 boys ,
How many more girls than are there than boys ?

35 - 13	13 - 35	13 + 35
☐	☐	☐

The increase = ...

b Jana collected 180 stamps then she gave 20 stamps to her brother
How many does she have left?

20 - 180	180 - 20	20 + 180
☐	☐	☐

The left = ...

c Maha and safa had 28 gifts to wrap . they have wrapped 4 gifts . How many more do they need to wrap ?

28 + 4	4 - 28	28 - 4
☐	☐	☐

The left = ...

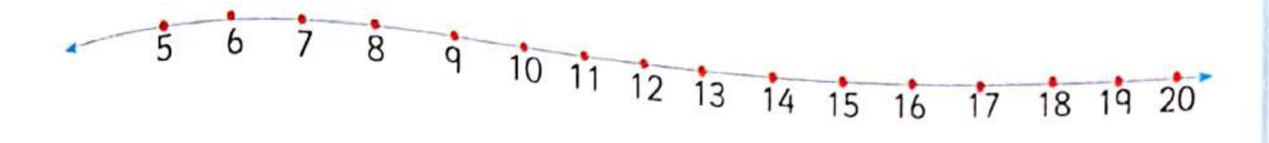
d Kenzy has 159 flowers she gave her friends 130 flowers.
How many flowers are left with her?

159 + 130	130 - 159	159 - 130
☐	☐	☐

The left = ...



3 Use the number line for subtracting. Then write the result.



a) 17 - 5 = ☐

b) 20 - 10 = ☐

c) 15 - 10 = ☐

d) 13 - 8 = ☐

e) 18 - 12 = ☐

f) 19 - 6 = ☐

j) 16 - 8 = ☐

h) 14 - 7 = ☐

4 Use the number line for addition. Then write the sum.

15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30

a) 15 + 10 = ☐

b) 16 + 5 = ☐

c) 18 + 8 = ☐

d) 21 + 9 = ☐

e) 27 + 2 = ☐

f) 19 + 9 = ☐

j) 25 + 5 = ☐

h) 24 + 3 = ☐

(5) Omar has 345 stamps. He gave his sister 28 stamps. How many stamps are left with him?

Solution : ....

(6) Nada collect 67 snail from the sea & Yasmeen collect 34 snail. What is the difference between numbers of snails which both of sisters find?

Solution : ....

(7) The length of Kareem is 170 cm. and the length of his sister is 142. How many more length of Kareem than his sister.

Solution : ....

(8) Yasmeen read 126 pages in January and 88 pages in February. What is the difference between pages in two months?

Solution : ....

(9) Waleed bought 2 balls for LE 40 each , if he has LE 100 How much money left with him?

Solution : ....

(10) Marina saved LE 152. She bought a doll with LE 129 How much money remained with her?

Solution : ....

Lesson (94 , 95)

Subtracting without renaming



After his parents the student repeats the name of the (Day - Date - Month - Year).

Activity 1 Look at the following numbers then complete :

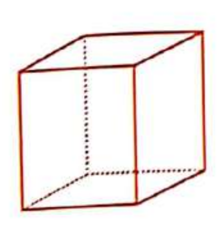
923 , 709 , 19 , 79 , 9

a. The greatest number is .... the smallest number is ....

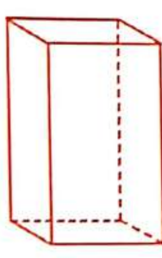
b. The descending order is .... , ... , ... , ... , ...

c. The value of digit 9 in 923 is .... and the place value of digit 9 in 923 is ....

Activity 2 Remember the solids :



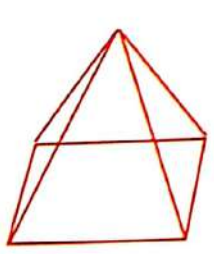
Cube



Cuboid



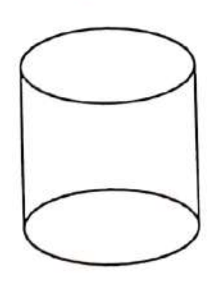
Sphere



Quad pyramid



Cone



Cylinder



Decomposing numbers

Activity 2 We can decompose the number 34 as in example :

34

10 + 10 + 10 + 4 = 30 + 4 = 34

10 + 10 + 10 + 4 = 20 + 14 = 34

10 + 10 + 10 + 4 = 10 + 24 = 34

Exercise 1 Decompose the following number to a small different parts :

87

80 + 7 = 87

70 + 17 = 87

60 + 27 = 87

50 + 37 = 87

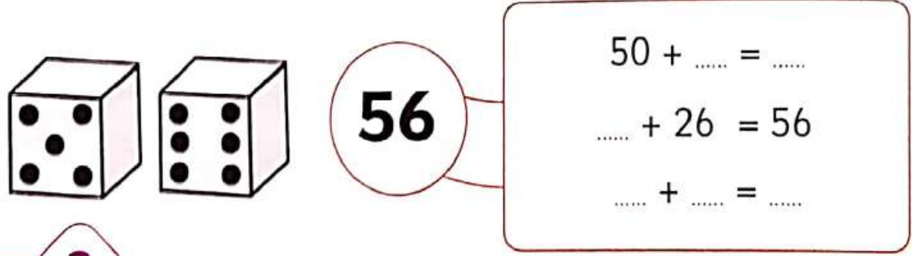
65

60 + ... = ...

50 + ... = ...

...... + 25 = ...

Exercise 2 As tossing 2 a dice and write the number on the two faces then decompose it.



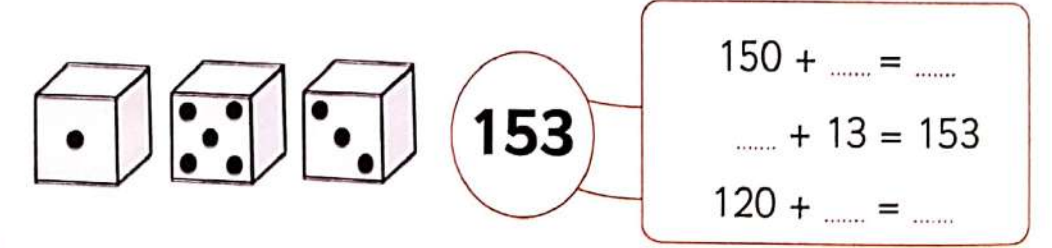
56

50 + ... = ...

...... + 26 = 56

...... + ... = ...

Exercise 3 As tossing 3 dice and write the number on the upper faces then decompose it.



153

150 + ... = ...

...... + 13 = 153

120 + ... = ...



Notice the subtracting :

94 - 10 = 84	150 - 10 = ...
94 - 20 = 74	150 - 20 = ...
94 - 40 = 54	150 - 30 = ...
94 - 44 = 50	150 - 50 = ...
94 - 45 = ...	150 - 100 = ...
	150 - 99 = ...

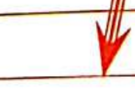
Exercise 3 Complete the subtraction :

83 - 10 = ...	57 - 10 = ...
83 - 20 = ...	57 - 10 = ...
83 - 30 = ...	57 - 30 = ...
83 - 53 = ...	57 - 37 = ...
83 - 54 = ...	57 - 38 = ...

Activity 5 Notice the subtracting :

94 - 45 = ...

94 - 44 - 1 = 50 - 1 = 49



Notice we subtract 45 then subtract -1

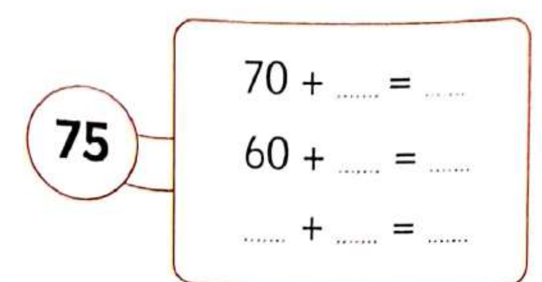
150 - 99 = ...

150 - 100 + 1 = 50 + 1 = 51

Notice adding 1 to 99 then adding 1 to the difference

Exercises on lesson (94 . 95)

1 Complete decompose the following numbers :



75

70 + ... = ...

60 + ... = ...

...... + ... = ...

41

40 + ... = ...

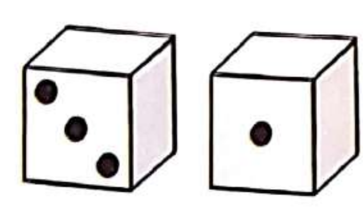
...... + 11 = ...

...... + ... = ...

2 As tossing 2 dice and form a 2 - digit 4 number complete the decompose



a



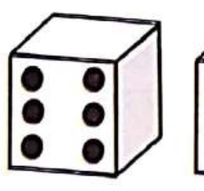
31

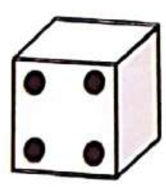
30 + ... = ...

...... + 11 = 31

...... + ... = ...

b





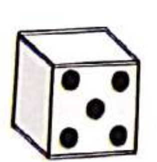
64

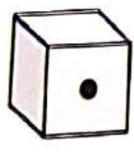
60 + ... = ...

...... + 24 = 64

...... + ... = ...

3 As tossing 3 dices and form a 3 - digit number complete the decompose.







516

...... + ... = ...

...... + ... = ...

...... + ... = ...



4 Complete the subtraction :

55 - 10 = ...
55 - 20 = ...
55 - 30 = ...
55 - 45 = ...
55 - 46 = ...

68 - 10 = ...
68 - 20 = ...
68 - 30 = ...
68 - 45 = ...
68 - 46 = ...

5 Complete the subtraction :

77 - 10 = ...
77 - 20 = ...
77 - 30 = ...
77 - 47 = ...
77 - 49 = ...

146 - 10 = ...
146 - 20 = ...
146 - 30 = ...
146 - 46 = ...
146 - 47 = ...

6 Complete the subtraction :

130 - 10 = ...
130 - 20 = ...
130 - 30 = ...
130 - 32 = ...

250 - 10 = ...
250 - 100 = ...
250 - 150 = ...
250 - 151 = ...

7 Complete as in the example:

a) 15 + 6 =

```
   10 + 5
+   1 + 5
---------
11 + 10 = 21
```

b) 25 + 8 =

```
   20 + ......
+   3 + ......
---------
......+ ...... = ......
```

c) 32 + 18 =

```
   30 + ......
+  10 + ......
---------
......+ ...... = ......
```

d) 44 + 23 =

```
   40 + ......
+  20 + ......
---------
......+ ...... = ......
```

8 Complete as in (a) :

a) 45 - 14 = 45 - 15 + 1 = 30 +1= 31

Notice subtract 15 then add 1

b) 69 - 38 = 69 - 39 + ... = 30 + ... = ...

c) 153 - 52 = 153 - 53 + ... = ... + 1 = ...

d) 237 - 126 = 237 - 127 + ... = 210 +1= 211

9 Complete as in (a) :

a) 67 - 28 =67 - 27 - 1 = 40 - 1 = 39

Notice subtracting 27 then subtracting 1

b) 95 - 46 =95 - 45 - 1 = ... - ...... = ...

c) 83 - 54 =83 - 53 - ...... = 30 - 1 = ...

d) 72 - 23 =72 - 22 - 1 = ... - 1 = ...

Lesson
(96 , 100)

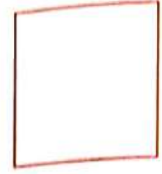
Subtracting with renaming strategies



After his parents the student repeats the name of the (Day - Date - Month - Year).



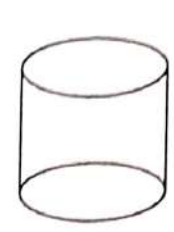
Activity 1 Complete :



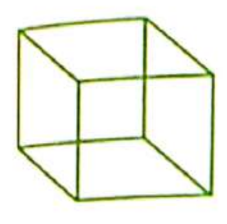
Number of sides ....
Number of vertices ....



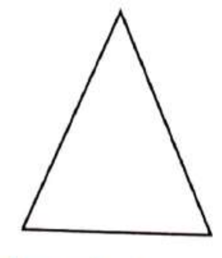
Number of sides ....
Number of vertices ....



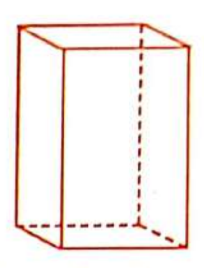
Number of sides ....
Number of vertices ....



Number of edges ....
Number of vertices........

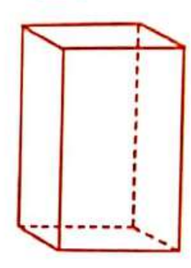


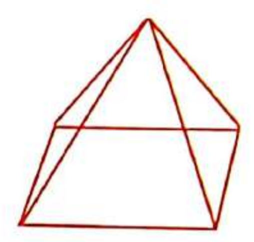
Number of edges ....
Number of vertices ....



Number of edges ....
Number of vertices ....

Activity 2 Join each solid with the suitable base :





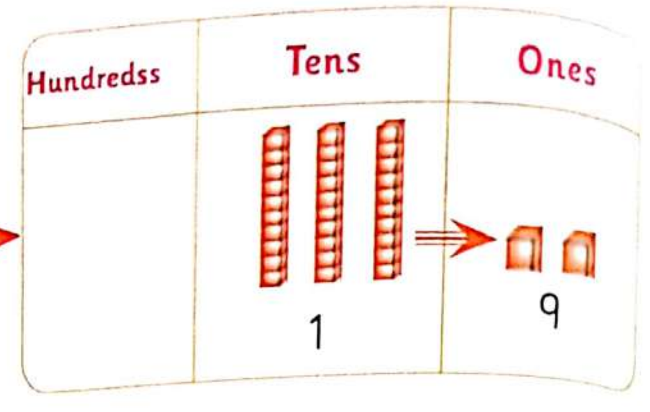






Subtract 32 - 19 :

Hundreds	Tens	Ones
	3	2
	1	9



take one from the tens place then add 10 to the ones place

Hundreds	tens	ones
	1	9

on the method

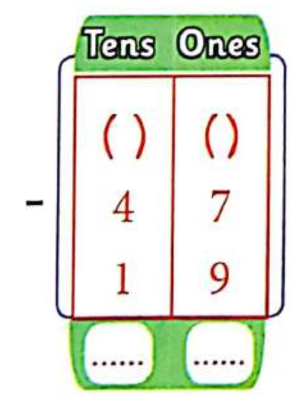
Hundreds	Tens	Ones
	(2)	(12)
	~~3~~	~~2~~
	1	9
	1	3

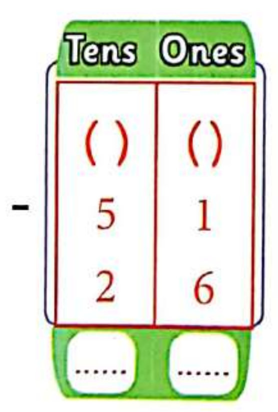
the difference →

Hundreds	tens	ones

So 32 - 19 = 13

Exercise 1 Subtract :

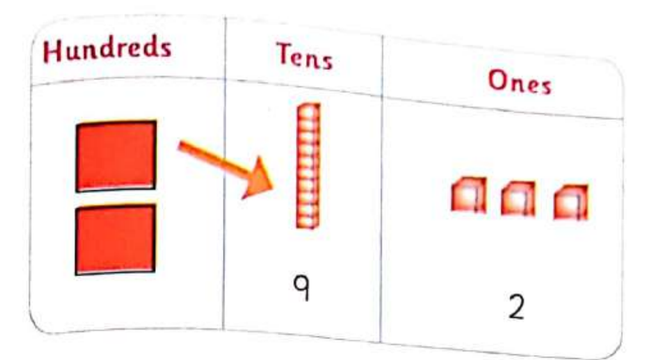








Activity 4 Subtract 213 - 92 :



Hundreds	Tens	Ones
	9	2

213 - 92

Hundreds	Tens	Ones
	9	2

=

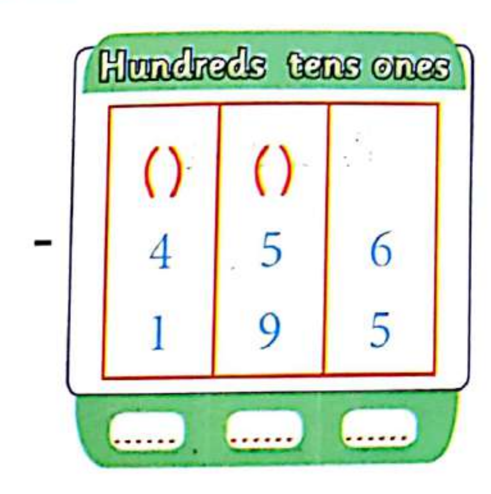
Hundreds	Tens	Ones

anther method

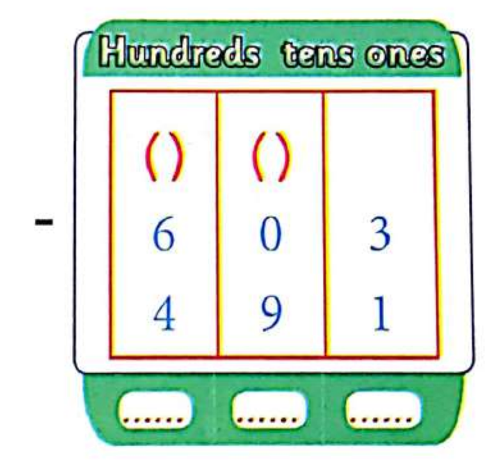
Hundreds	Tens	Ones
(1) ~~2~~	(11) ~~1~~ 9	3 2
1	2	1

So 213 - 92 = 121

Exercise 2 Subtract :



Hundreds	tens	ones
( )	( )	
4	5	6
1	9	5
......	......	......

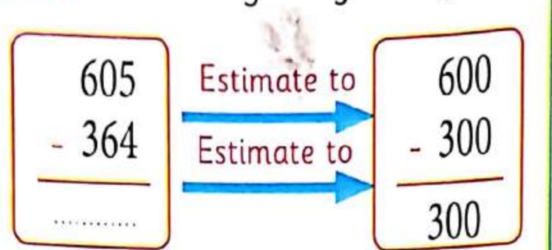


Hundreds	tens	ones
( )	( )	
6	0	3
4	9	1
......	......	......

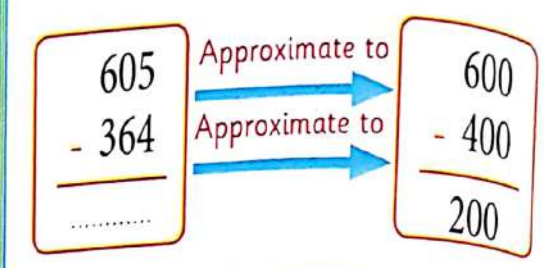


Activity 5 Remember the difference between approximation and the estimation.

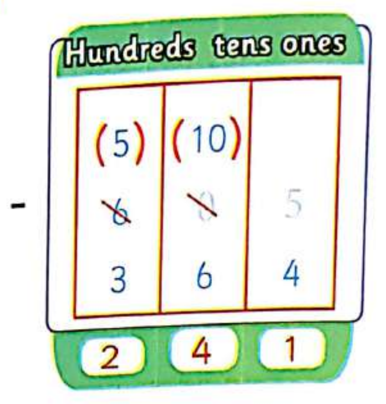
First: estimate by using the left digit.



Second approximation

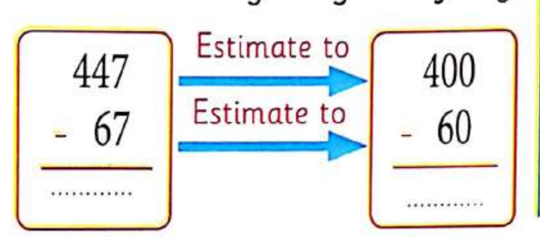


Third: subtracting by renaming.

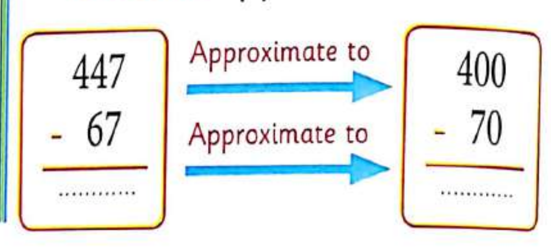




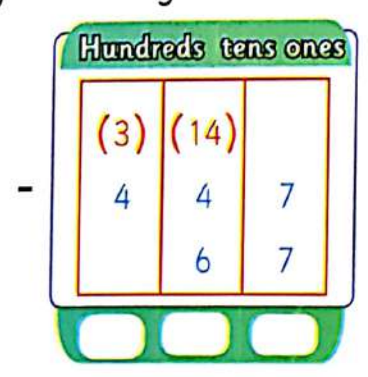
First: estimate by using the left digit.



Second approximation



Third: subtracting by renaming.

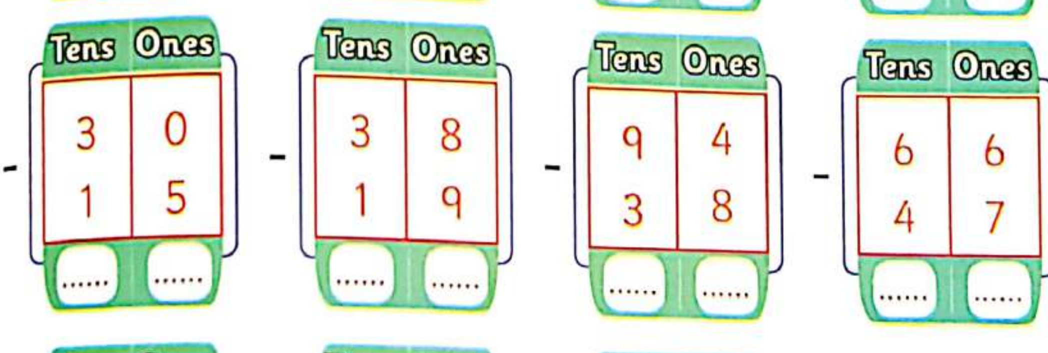


Exercises on lesson (96, 100)

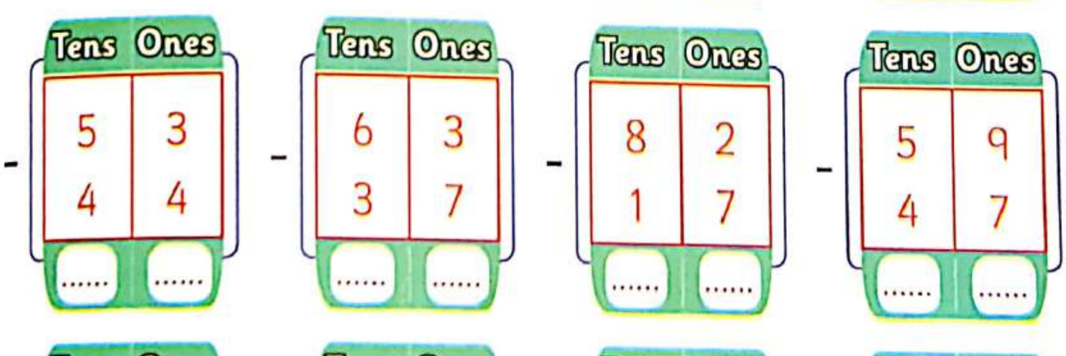
1 Subtracted :

	Tens	Ones		Tens	Ones		Tens	Ones		Tens	Ones
	4	7		3	3		7	2		8	3
-	1	8	-	1	5	-	3	5	-	1	6
	......	......		......	......		......	......		......	......

	Tens	Ones		Tens	Ones		Tens	Ones		Tens	Ones
	6	5		4	1		2	4		5	2
-	4	7	-	1	9	-		9	-	4	3
	......	......		......	......		......	......		......	......



	Tens	Ones		Tens	Ones		Tens	Ones		Tens	Ones
	3	0		3	8		9	4		6	6
-	1	5	-	1	9	-	3	8	-	4	7
	......	......		......	......		......	......		......	......

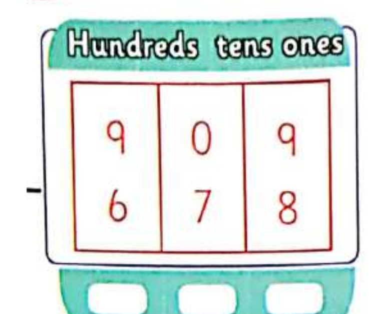


	Tens	Ones		Tens	Ones		Tens	Ones		Tens	Ones
	5	3		6	3		8	2		5	9
-	4	4	-	3	7	-	1	7	-	4	7
	......	......		......	......		......	......		......	......

	Tens	Ones		Tens	Ones		Tens	Ones		Tens	Ones
	9	8		9	5		8	7		5	7
-	8	9	-	8	6	-	2	8	-	3	9
	......	......		......	......		......	......		......	......

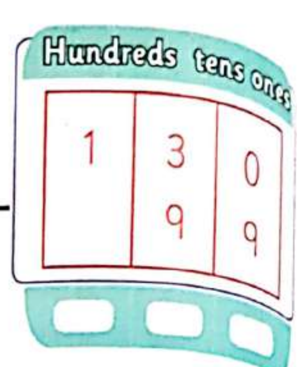


2 Subtracted :

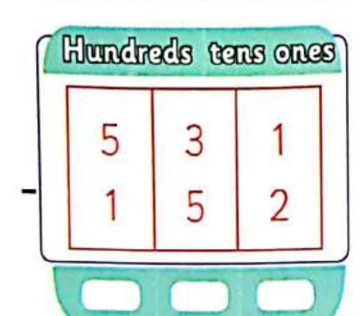


Hundreds	tens	ones
9	0	9
− 6	7	8

Hundreds	tens	ones
1	4	6
−	2	9



Hundreds	tens	ones
1	3	0
−	9	9



Hundreds	tens	ones
5	3	1
− 1	5	2

Hundreds	tens	ones
4	7	2
− 1	4	5

Hundreds	tens	ones
4	6	9
− 3	9	0

Hundreds	tens	ones
7	6	2
− 1	5	5

Hundreds	tens	ones
7	3	7
− 2	1	8

Hundreds	tens	ones
8	6	5
− 6	7	5

Hundreds	tens	ones
5	9	5
− 1	5	7

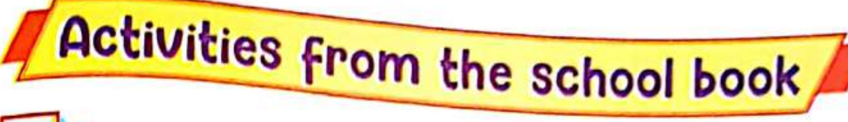
Hundreds	tens	ones
5	3	2
− 3	2	9

Hundreds	tens	ones
4	9	4
− 2	7	5

Hundreds	tens	ones
8	5	7
− 5	6	8

Hundreds	tens	ones
5	0	2
− 3	1	3

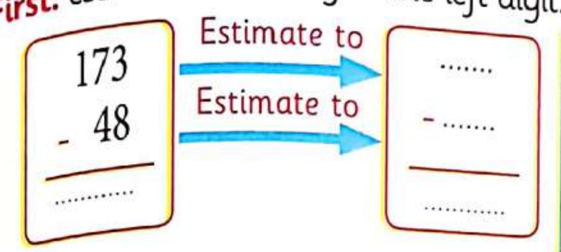
Hundreds	tens	ones
6	0	0
− 5	9	9

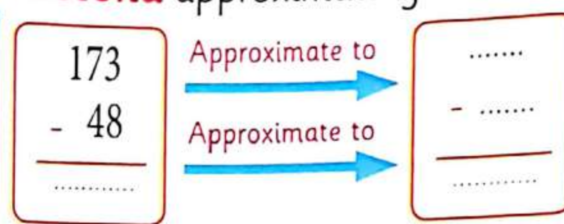


Activities from the school book

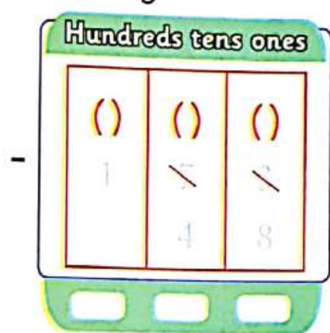
Activity 1 Notice: the difference between the estimation and approximation and equally 173-48:

First: estimate according to the left digit. **Second** approximating



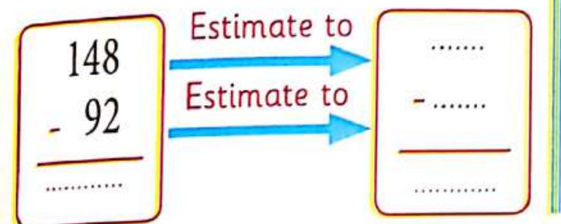


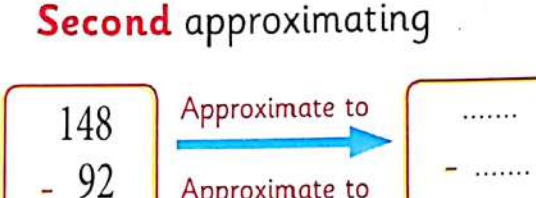
Third: subtracting by renaming.



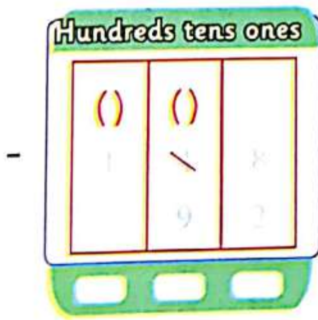
Activity 2 Subtract 148 - 92 :

First: estimate according to the left digit. **Second** approximating



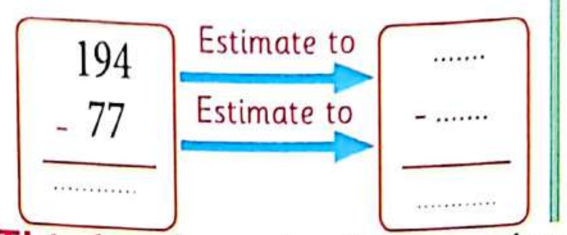


Third: subtracting by renaming.

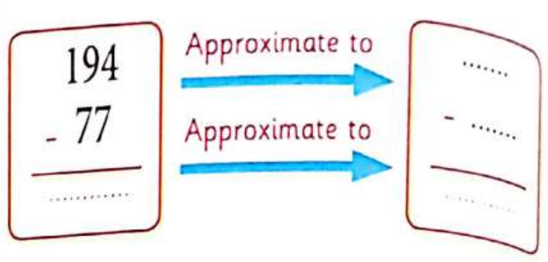


Activity 3 Subtract 194 - 77 :

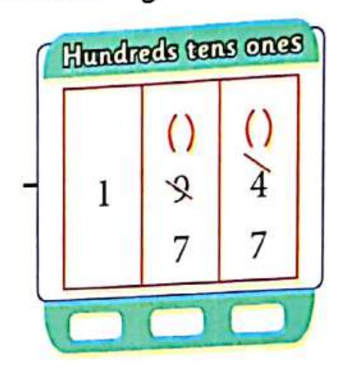
First: estimate according to the left digit.



Second approximating

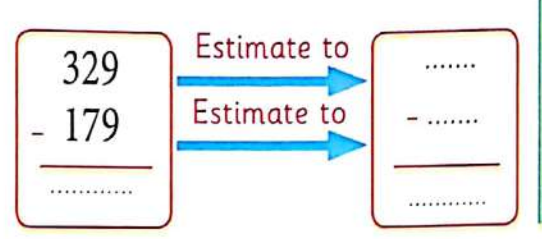


Third: subtracting by renaming

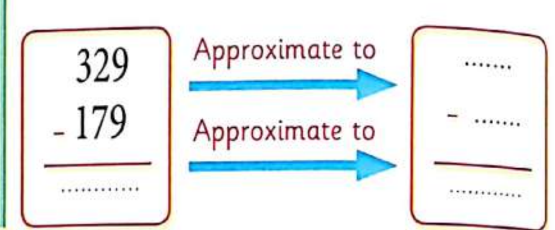


Activity 4 Subtract 329 - 179 :

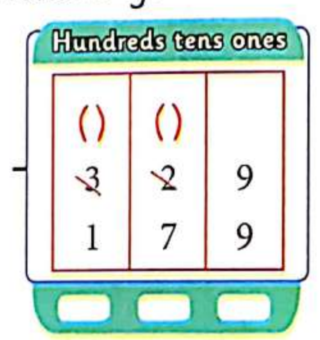
First: estimate according to the left digit.

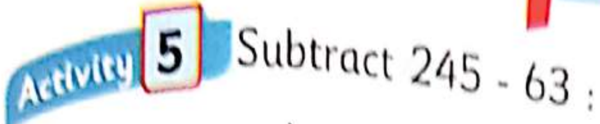


Second approximating

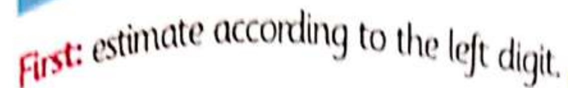


Third: subtracting by renaming.

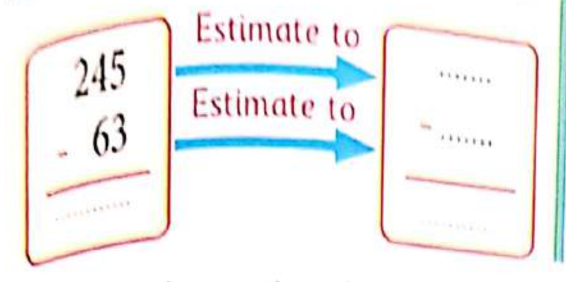




Activity 5 Subtract 245 - 63 :

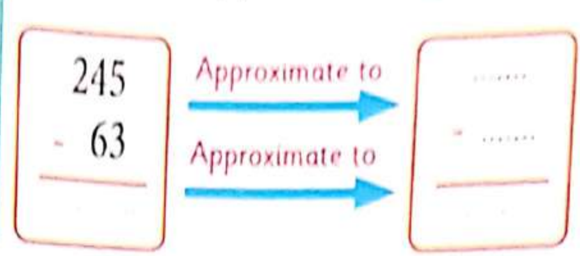


First: estimate according to the left digit.

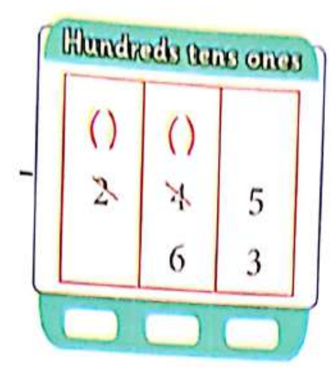




Second approximating

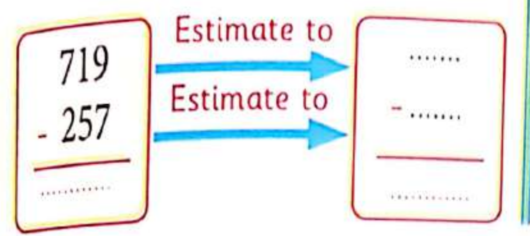


Third: subtracting by renaming.

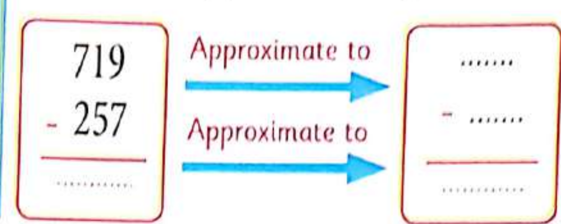


Activity 6 Subtract 719 - 257 :

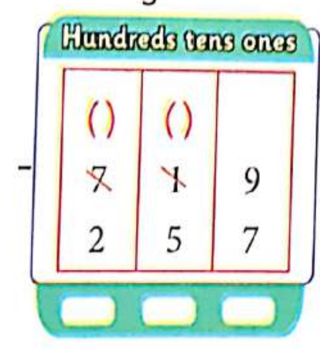
First: estimate according to the left digit.



Second approximating



Third: subtracting by renaming.

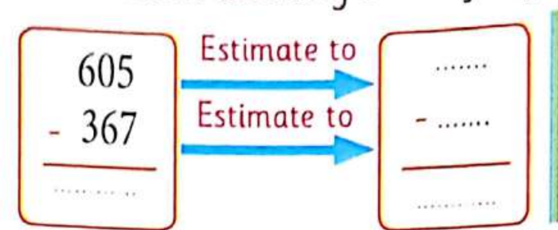


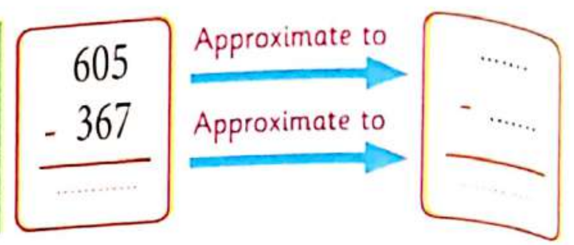




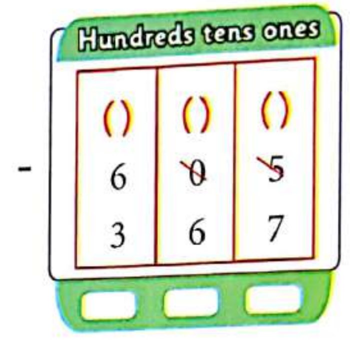
First: estimate according to the left digit.





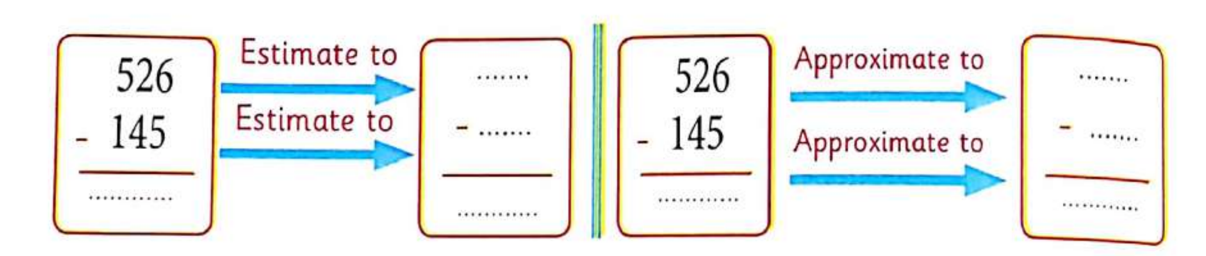


Third: subtracting by renaming.

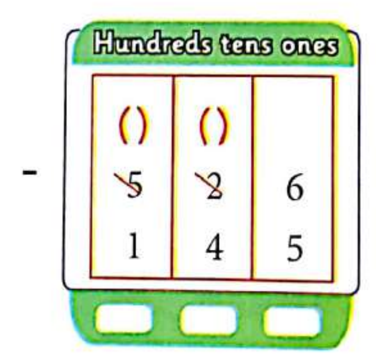


Activity 8 Subtract 526 - 145 :

First: estimate according to the left digit. **Second** approximating



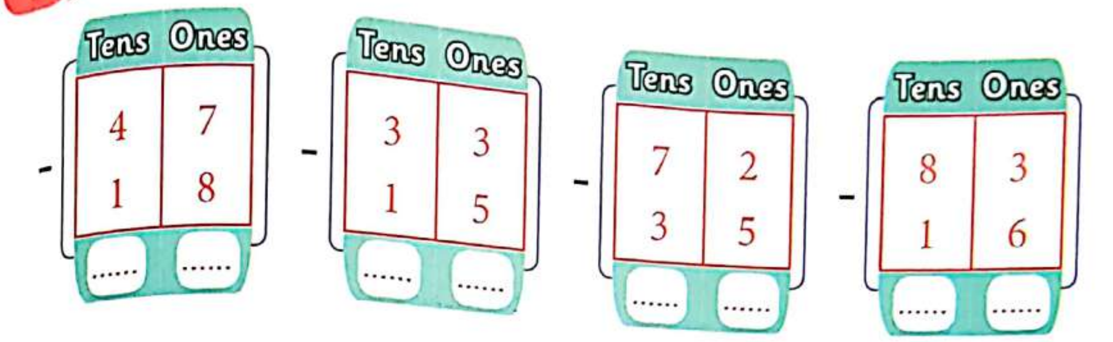
Third: subtracting by renaming.

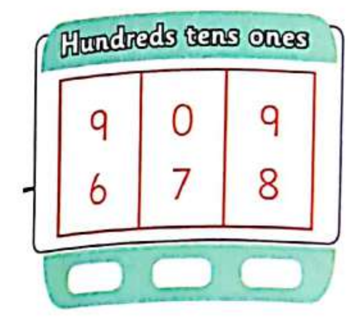


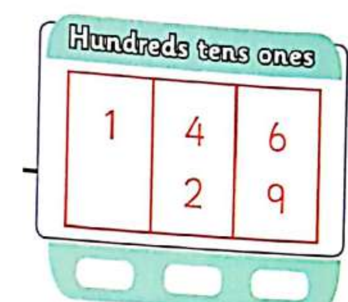


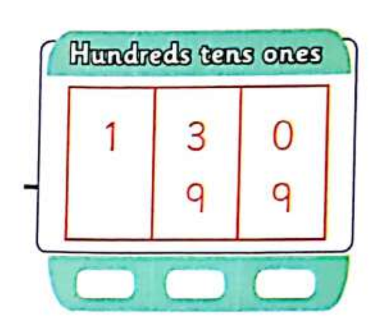
Self - check 1

1 Subtracted :



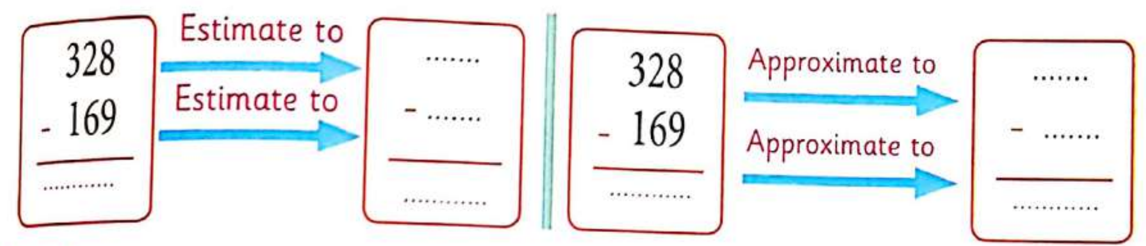




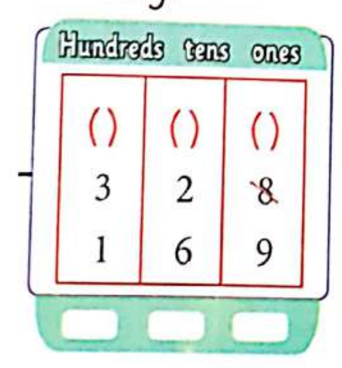


2 Subtract 328 - 169 :

First: estimate according to the left digit. **Second** approximating



Third: subtracting by renaming.





3 Adding :

113 + 108 = ...	321 + 385 = ...	206 + 295 = ...	145 + 265 = ...

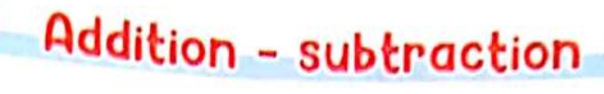
4 Subtract :

555 − 407 = ...	815 − 333 = ...	525 − 252 = ...	956 − 717 = ...	93 − 27 = ...
859 − 260 = ...	407 − 108 = ...	700 − 499 = ...	999 − 103 = ...	400 − 190 = ...
612 − 606 = ...	111 − 90 = ...	508 − 99 = ...	640 − 208 = ...	825 − 800 = ...

5 Find the result :

Saied bought a T. shirt by 119 pounds, if he had 140 pounds.
How many pounds did he left with him?

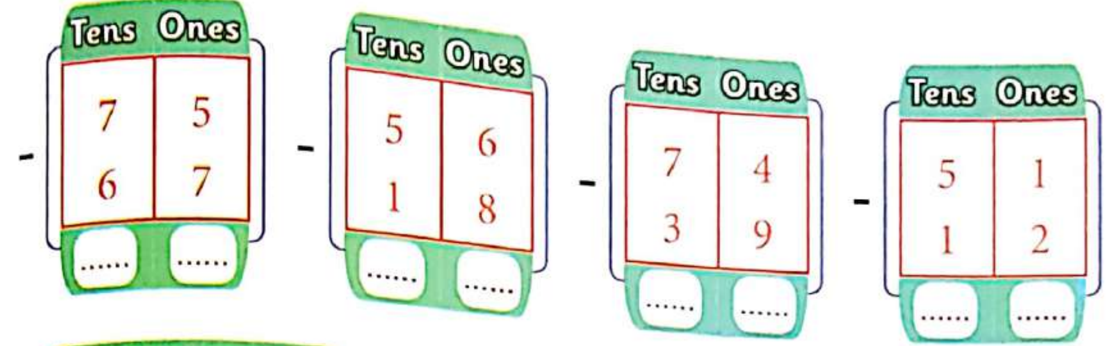
Said paid = ... - .... = ... pounds.

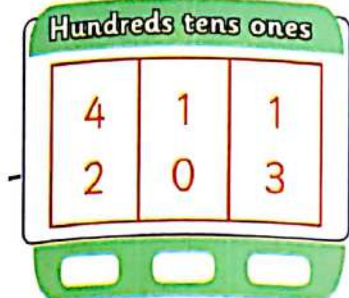


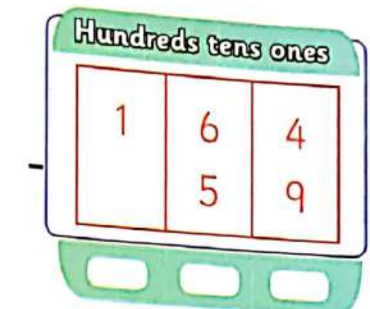


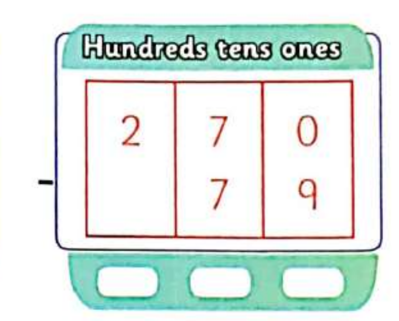
Self - check 2

1 Subtracted :



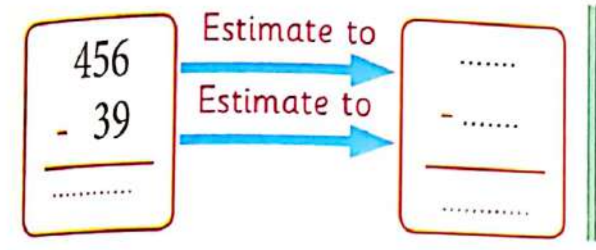


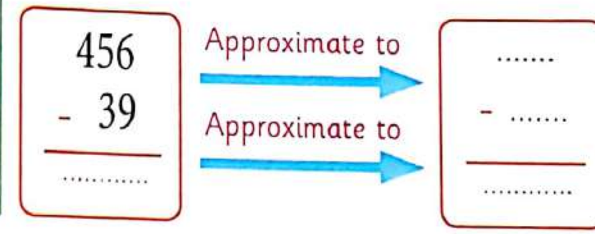




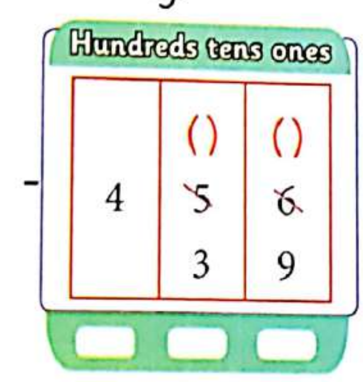
2 Subtract 456 - 39 :

First: estimate according to the left digit. **Second** approximating





Third: subtracting by renaming.





3 Adding :

250 + 150 = …………	708 + 133 = …………	369 + 135 = …………	98 + 165 = …………
346 + 205 = …………	151 + 150 = …………	721 + 209 = …………	484 + 119 = …………

4 Subtract :

317 − 129 = …………	333 − 155 = …………	496 − 407 = …………	956 − 717 = …………	885 − 667 = …………
315 − 315 = …………	356 − 200 = …………	700 − 499 = …………	127 − 100 = …………	888 − 719 = …………

5 Find the result :

Malk bought a cat by 370 pounds and food to her cat by 45 pounds. How many pounds did malk paid?

Malk paid = ………… + ………… = ………… pounds.

For more activities and exercises, enjoy with the skill skills


Unit
Five
Fraction

Lesson (101, 102, 103)

Circle spliting

Hint After his parents the student repeats the name of the (Day - Date - Month - Year).

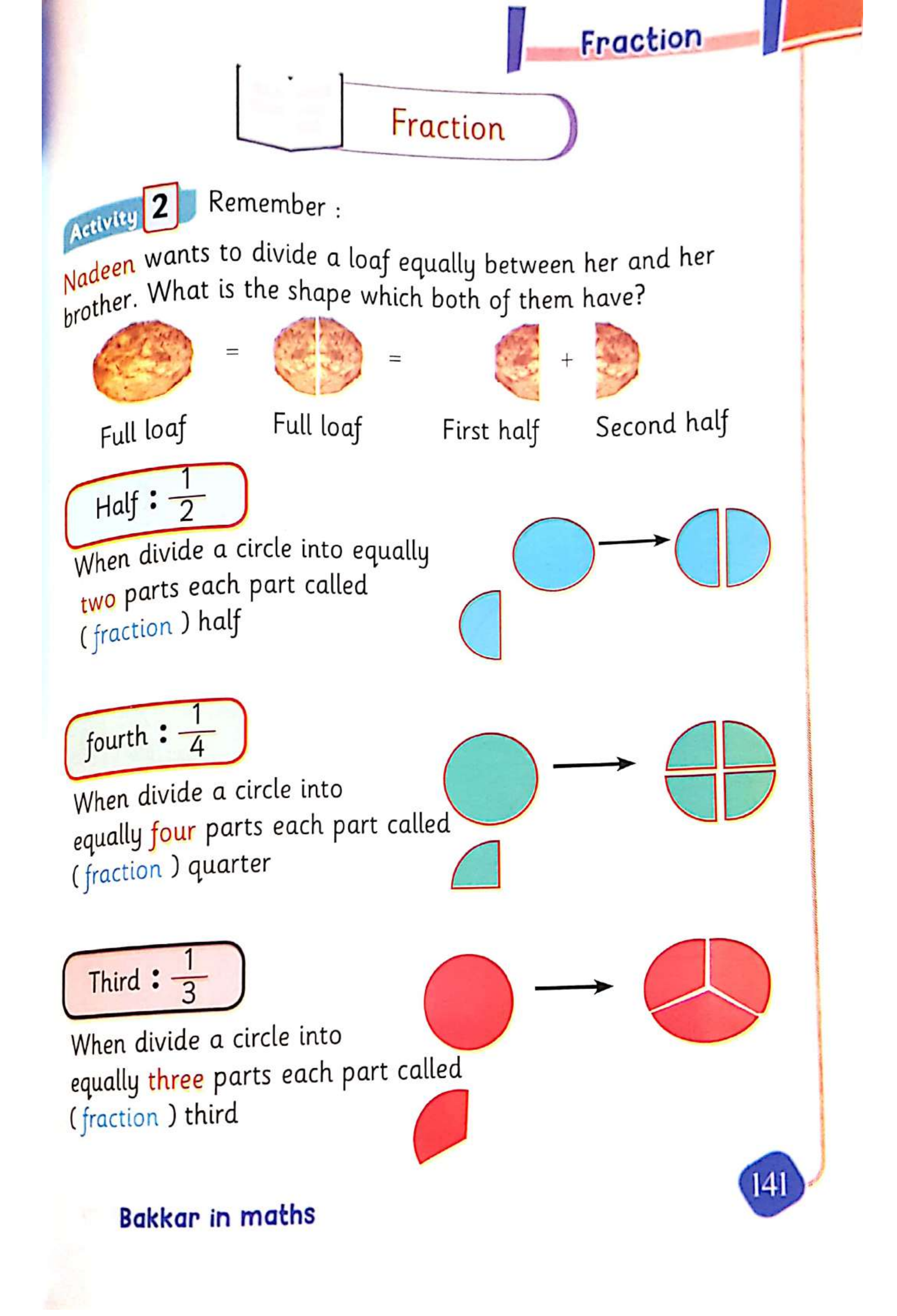
Activity 1 Complete :

7 + 0 = ...
7 + 1 = 8
7 + 2 = ...
7 + 3 = 10
7 + 4 = ...
7 + 5 = 12
7 + 6 = ...
7 + 7 = 14
7 + 8 = ...
7 + 9 = 16
7 + 10 = ...

8 + 0 = 8
8 + 1 = ...
8 + 2 = ...
8 + 3 = 11
8 + 4 = ...
8 + 5 = 13
8 + 6 = ...
8 + 7 = ...
8 + 8 = ...
8 + 9 = 17
8 + 10 = 18

9 + 0 = ...
9 + 1 = 10
9 + 2 = ...
9 + 3 = 12
9 + 4 = ...
9 + 5 = 14
9 + 6 = ...
9 + 7 = 16
9 + 8 = ...
9 + 9 = 18
9 + 10 = ...

10 + 0 = 10
10 + 1 = ...
10 + 2 = ...
10 + 3 = 13
10 + 4 = 14
10 + 5 = ...
10 + 6 = ...
10 + 7 = 17
10 + 8 = ...
10 + 9 = ...
10 + 10 = 20



Fraction

Activity 2 Remember :

Nadeen wants to divide a loaf equally between her and her brother. What is the shape which both of them have?

Full loaf = Full loaf = First half + Second half

Half : $\frac{1}{2}$

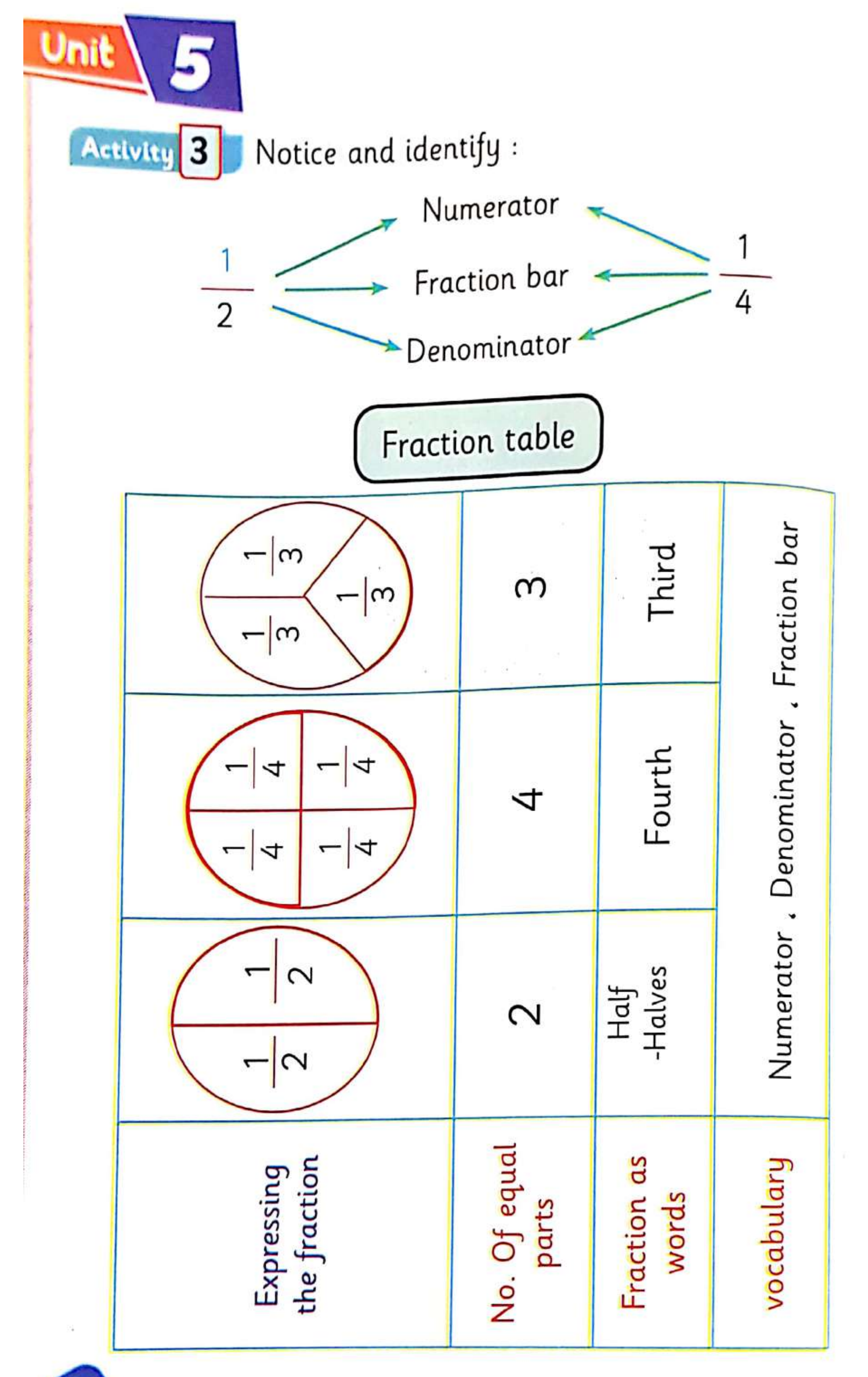
When divide a circle into equally two parts each part called (fraction) half

fourth : $\frac{1}{4}$

When divide a circle into equally four parts each part called (fraction) quarter

Third : $\frac{1}{3}$

When divide a circle into equally three parts each part called (fraction) third



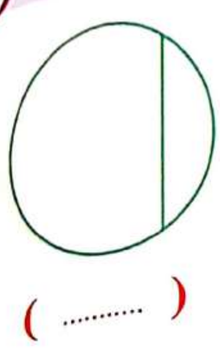
Activity 3 Notice and identify :

Fraction table

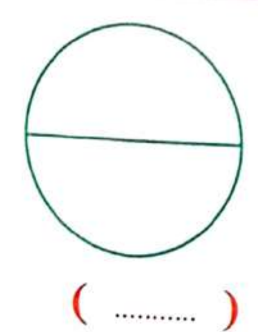
Expressing the fraction	$\frac{1}{2}$ $\frac{1}{2}$	$\frac{1}{4}$ $\frac{1}{4}$ $\frac{1}{4}$ $\frac{1}{4}$	$\frac{1}{3}$ $\frac{1}{3}$ $\frac{1}{3}$
No. Of equal parts	2	4	3
Fraction as words	Half -Halves	Fourth	Third
vocabulary	Numerator , Denominator , Fraction bar		

Exercises on lesson (101 , 102 , 103)

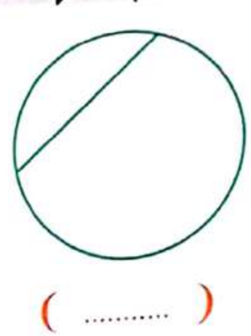
1 Tick (✓) under the shapes wich is divided equal parts :



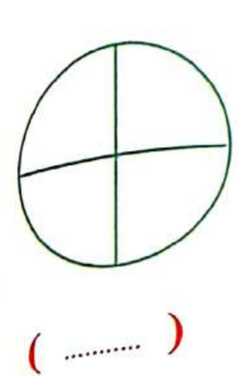
(..........)



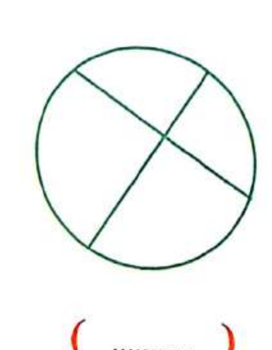
(..........)



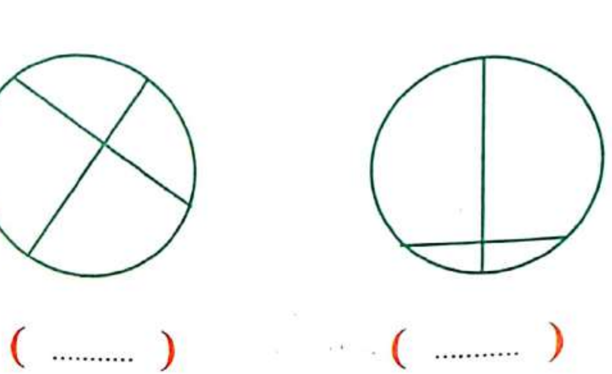
(..........)



(..........)

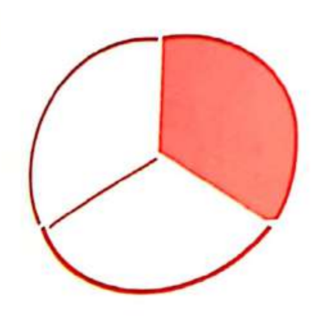


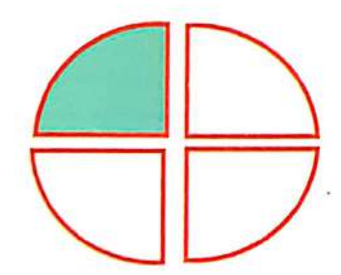
(..........)

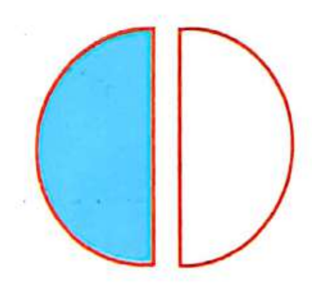


(..........)

2 Join suitable :





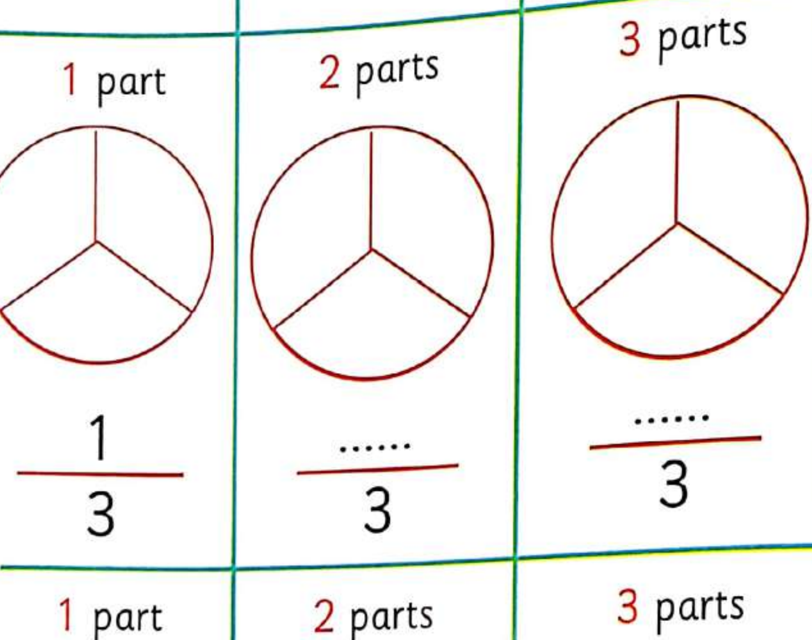


$\frac{1}{2}$ $\frac{1}{4}$ $\frac{1}{3}$

3 Colour according the fraction as the example :

part — $\frac{1}{2}$

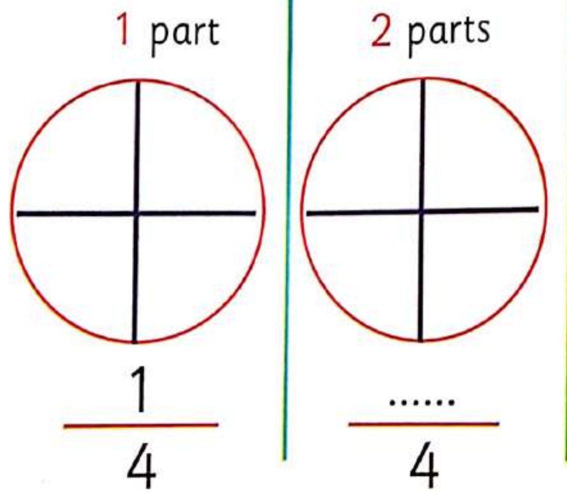
Two parts — $\frac{2}{2}$



1 part — $\frac{1}{3}$

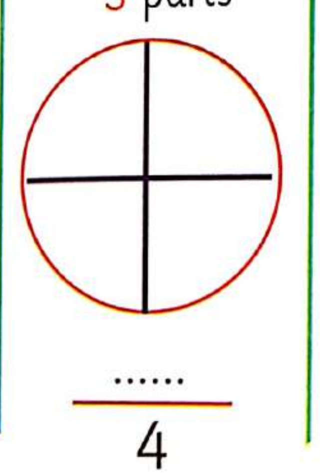
2 parts — $\frac{......}{3}$

3 parts — $\frac{......}{3}$

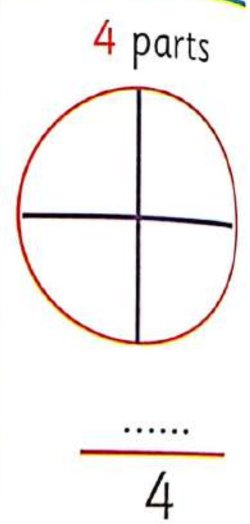


1 part — $\frac{1}{4}$

2 parts — $\frac{......}{4}$



3 parts — $\frac{......}{4}$



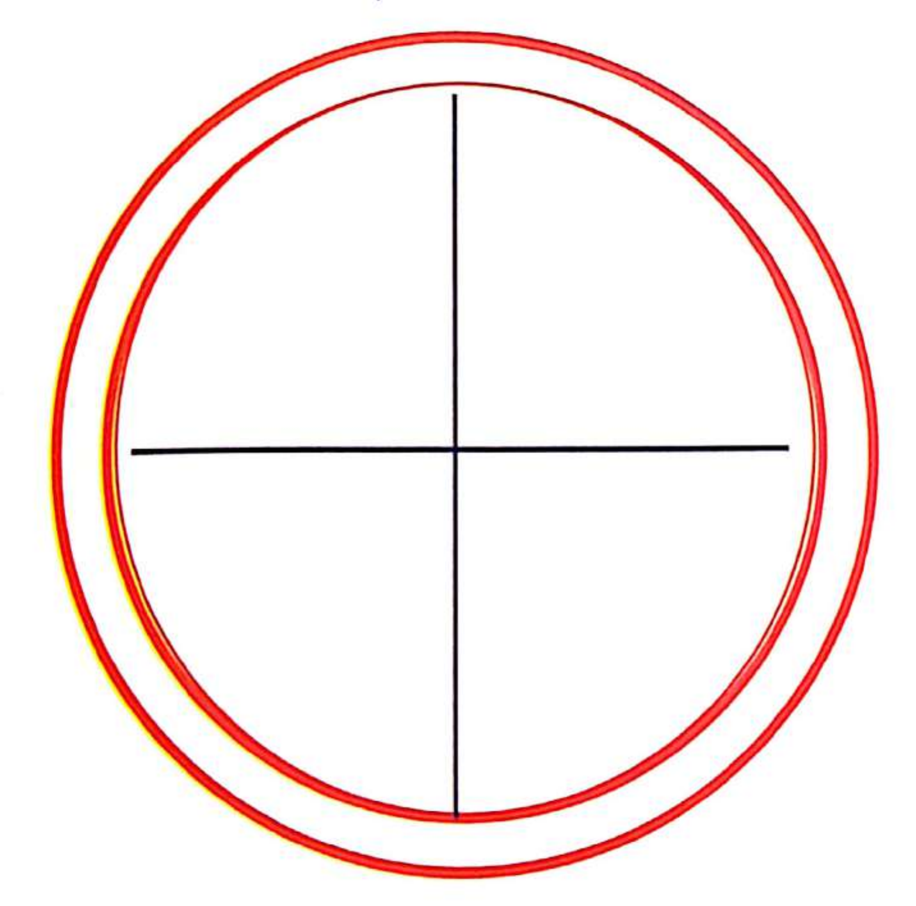
4 parts — $\frac{......}{4}$

Activities from the school book

Pizza fractions

Colour the ingredients on the pizza based on the fraction given for each :

1. add red sauce to the whole pizza.
2. add green peppers to $\frac{3}{4}$ of the pizza.
3. add black olives to $\frac{1}{4}$ of the pizza.
4. add grey mushrooms to half of the pizza
5. add yellow cheese to $\frac{4}{4}$ of the pizza.



Hint After his parents the student repeats the name of the (Day - Date - Month - Year).

Activity 1 Complete :

7 - 0 = ...
7 - 1 = ...
7 - 2 = ...
7 - 3 = ...
7 - 4 = ...
7 - 5 = ...
7 - 6 = ...
7 - 7 = ...

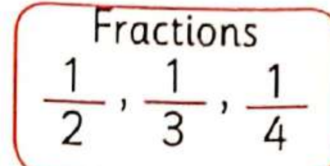
8 - 0 = ...
8 - 1 = ...
8 - 2 = ...
8 - 3 = ...
8 - 4 = ...
8 - 5 = ...
8 - 6 = ...
8 - 7 = ...
8 - 8 = ...

9 - 0 = 9
9 - 1 = ...
9 - 2 = 7
9 - 3 = ...
9 - 4 = 5
9 - 5 = ...
9 - 6 = 3
9 - 7 = ...
9 - 8 = ...
9 - 9 = 0

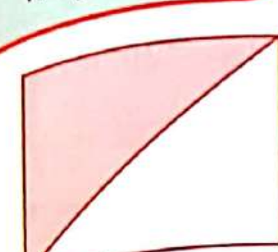
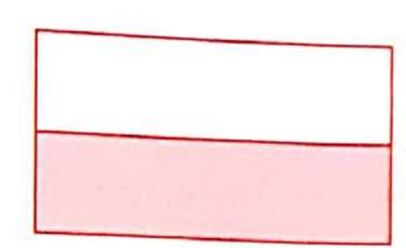
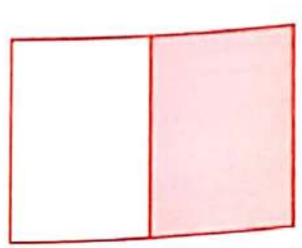
10 - 0 = ...
10 - 1 = ...
10 - 2 = ...
10 - 3 = ...
10 - 4 = ...
10 - 5 = ...
10 - 6 = ...
10 - 7 = ...
10 - 8 = ...
10 - 9 = ...
10 - 10 = 0



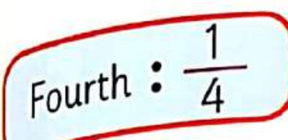
Remember :

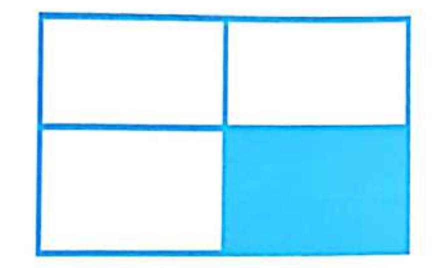
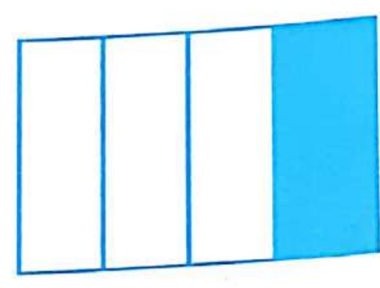


Half : $\frac{1}{2}$

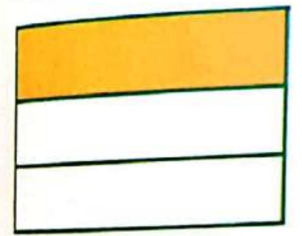
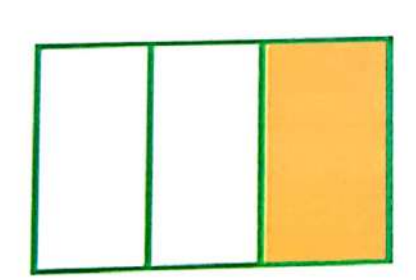
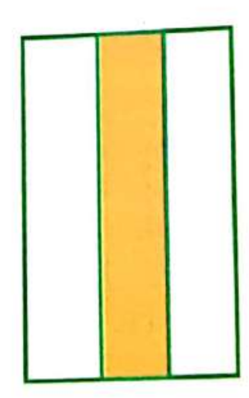
When divided rectangle into two equal parts , this part (Fraction) is called half.



When decompose rectangle into four equal parts , this part (Fraction) is called fourth.

Third : $\frac{1}{3}$

When decompose rectangle into three equal parts , this part (Fraction) is called third.



Activities from the school book

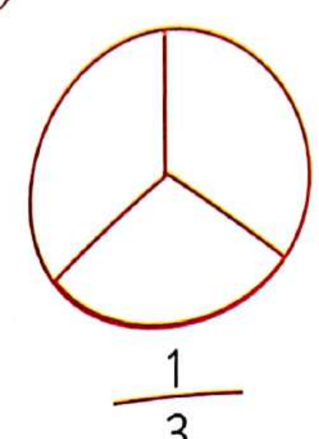
Complete fraction wall

1. Write one whole (1) on the top bar colour this bar red
2. Find and label the halves , colour the halves bars colour green
3. Find and label the thirds , colour the thirds bars colour yellow
4. Find and label the fourths , colour the fourths bars blue

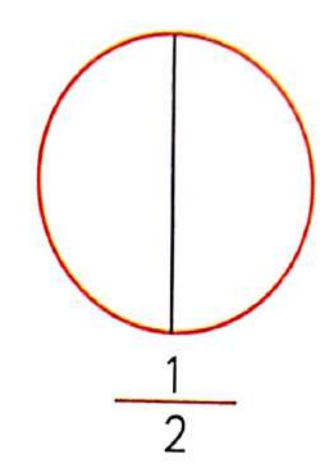
$\frac{1}{2}$											
								$\frac{1}{3}$			
						$\frac{1}{4}$					

Exercises on lesson (104 , 105 , 106)

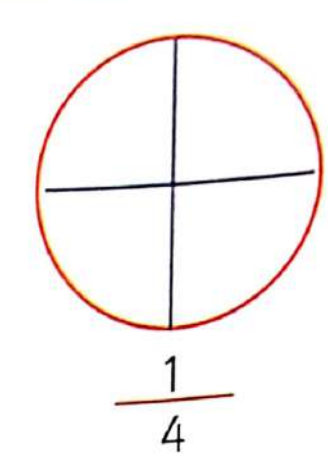
1 Colour the shape according to the fraction :



$\frac{1}{3}$



$\frac{1}{2}$

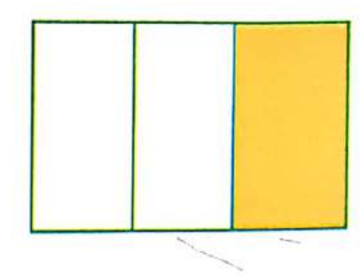


$\frac{1}{4}$

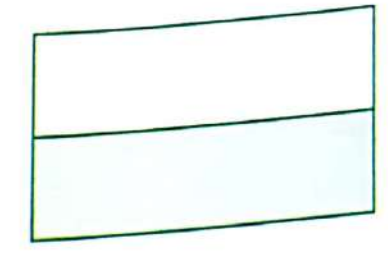
2 Write the suitable fraction :



....

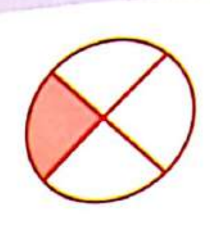


....

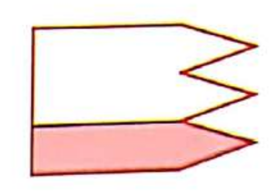


....

3 Write $\frac{1}{4}$ under the shape that refer to quarter :



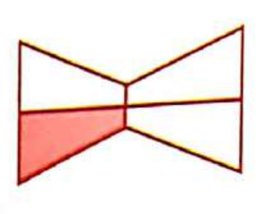
....



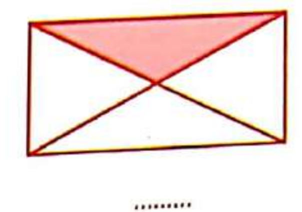
....



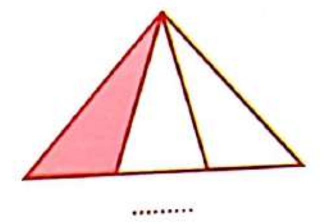
....



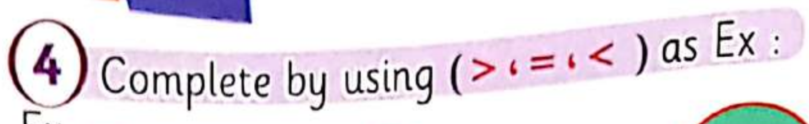
....



....

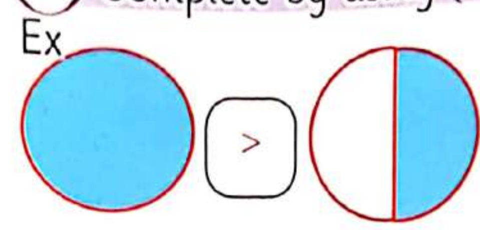


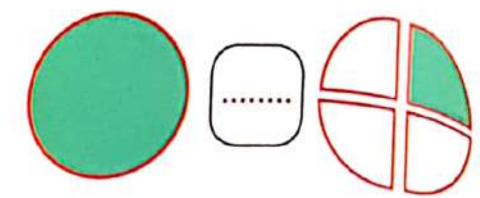
....

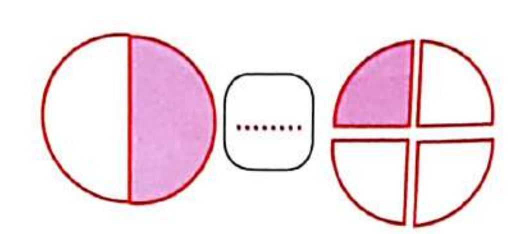


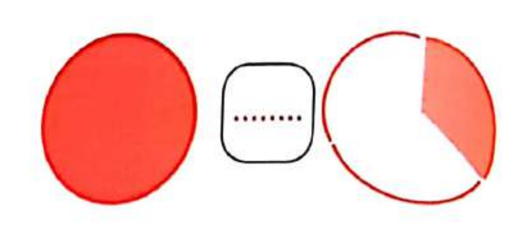
4 Complete by using (> ، = ، <) as Ex :

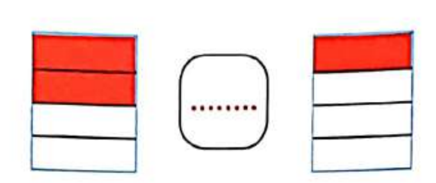
Ex

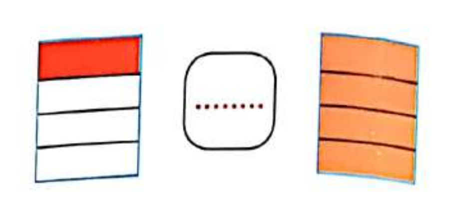




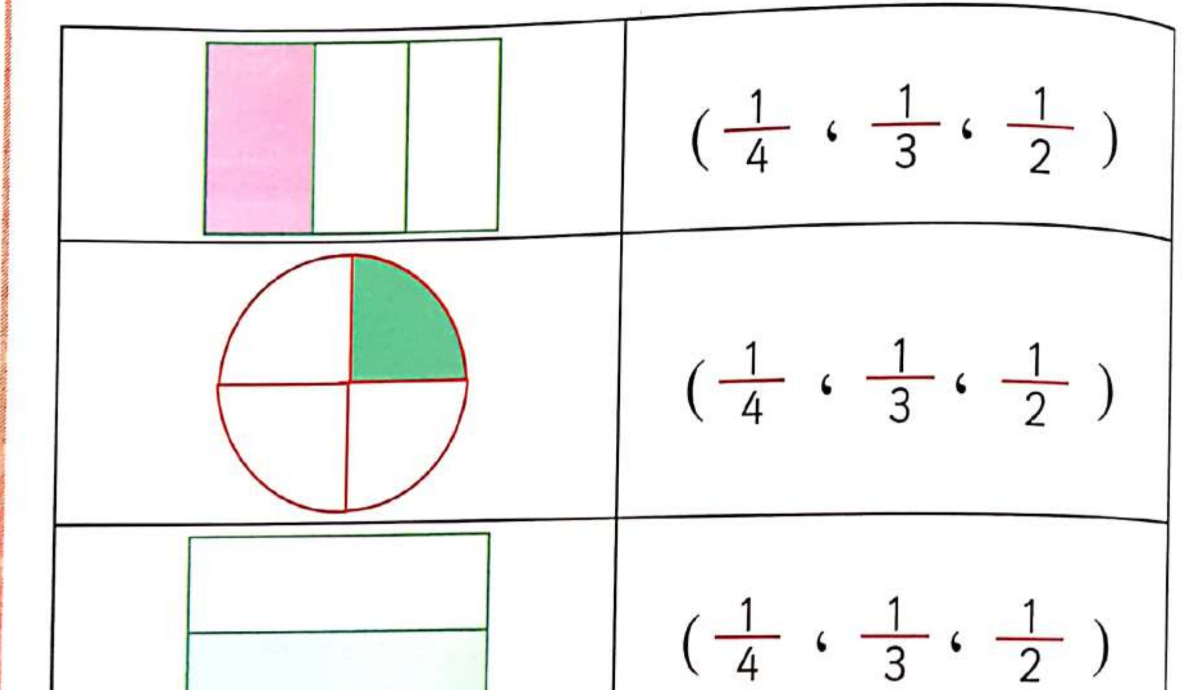








5 Ring the right answer :



	($\frac{1}{4}$ ، $\frac{1}{3}$ ، $\frac{1}{2}$)
	($\frac{1}{4}$ ، $\frac{1}{3}$ ، $\frac{1}{2}$)
	($\frac{1}{4}$ ، $\frac{1}{3}$ ، $\frac{1}{2}$)

Lesson (107 , 108) The fraction as a part of a set

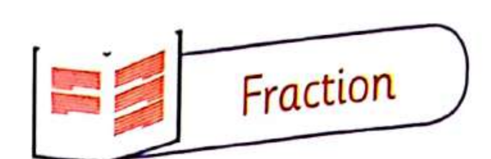


After his parents the student repeats the name of the (Day - Date - Month - Year).

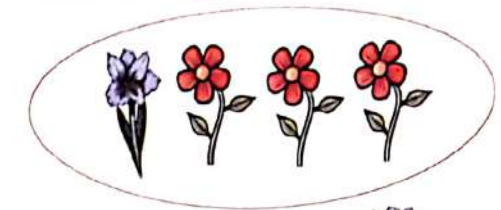
Activity 1 Complete :

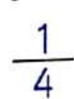
8 + 6 = ...	9 - 2 = ...	10 - 7 = ...
6 + 9 = ...	10 - 9 = ...	7 - 7 = ...
8 - 8 = ...	6 + 5 = ...	9 + 5 = ...
8 - 6 = ...	10 + 7 = ...	11 - 10 = ...
10 + 10 =.....	3 + 6 = ...	10 + 1 = ...
2 + 9 = ...	2 + 10 = ...	7 - 6 = ...
5 - 3 = ...	3 + 9 = ...	4 + 7 = ...
2 + 8 = ...	10 - 4 = ...	1 + 10 = ...
9 - 1 = ...	5 + 8 = ...	5 + 9 = ...
0 + 3 = ...	4 + 0 = ...	5 + 1 = ...



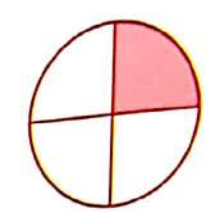


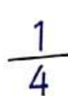
Activity 2 Know :



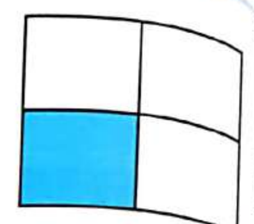
Fourth of flowers 

$\frac{1}{4}$



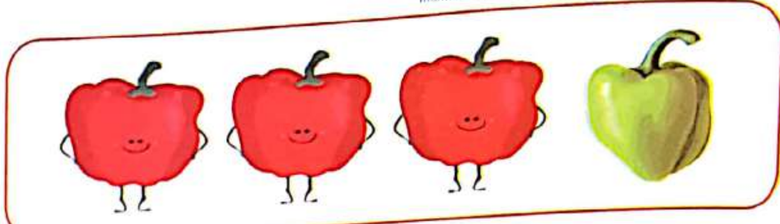
Fourth of shape 

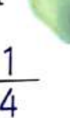
$\frac{1}{4}$



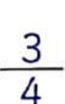
Fourth of shape

$\frac{1}{4}$

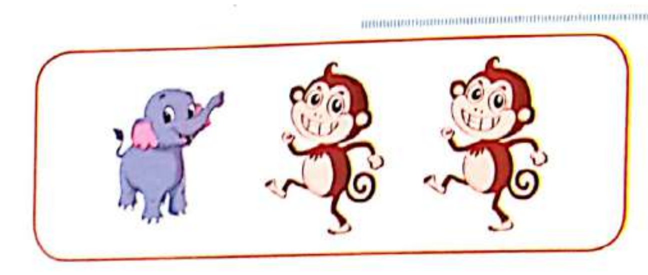


Fourth 

$\frac{1}{4}$

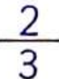
Three Fourths  

$\frac{3}{4}$



One third

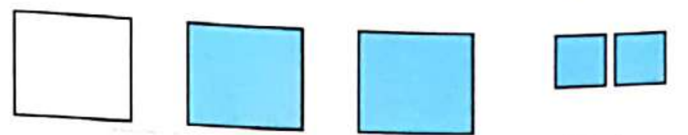
$\frac{1}{3}$

Two third 

$\frac{2}{3}$



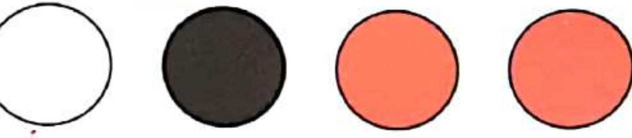
The fraction $= \frac{\text{Number of required parts}}{\text{Number of all parts}}$



The fraction represent ▢▢ is $\frac{\text{Number } ▢▢}{\text{Number } ▢▢▢} = \frac{2}{3}$

The fraction represent ▢ is $\frac{\text{Number } ▢}{\text{Number } ▢▢▢} = \frac{1}{3}$

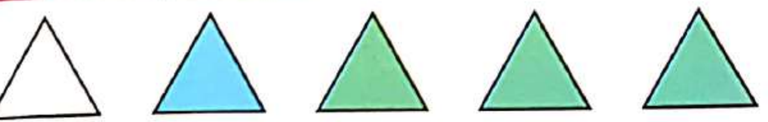
Exercise 1 Complete :



The fraction represent ●● is $\frac{\text{Number } ●●}{\text{Number } ○●●●} = \frac{2}{\ldots\ldots}$

The fraction represent ○ is $\frac{\text{Number } ○}{\text{Number } ○●●●} = \frac{\ldots\ldots}{4}$

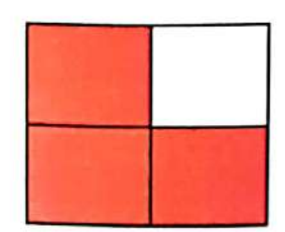
Exercise 2 Complete :



The fraction represent ▲▲▲ is $\frac{\text{Number } ▲▲▲}{\text{Number } △▲▲▲▲} = \frac{\ldots\ldots}{5}$

The fraction represent ▲ is $\frac{\text{Number } ▲}{\text{Number } △▲▲▲▲} = \frac{\ldots\ldots}{\ldots\ldots}$

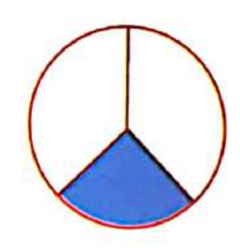
Exercise 3 Complete as the example :



The fraction represent colour Part $\frac{3}{4}$



The fraction represent Cucumber $\frac{\dots}{\dots}$



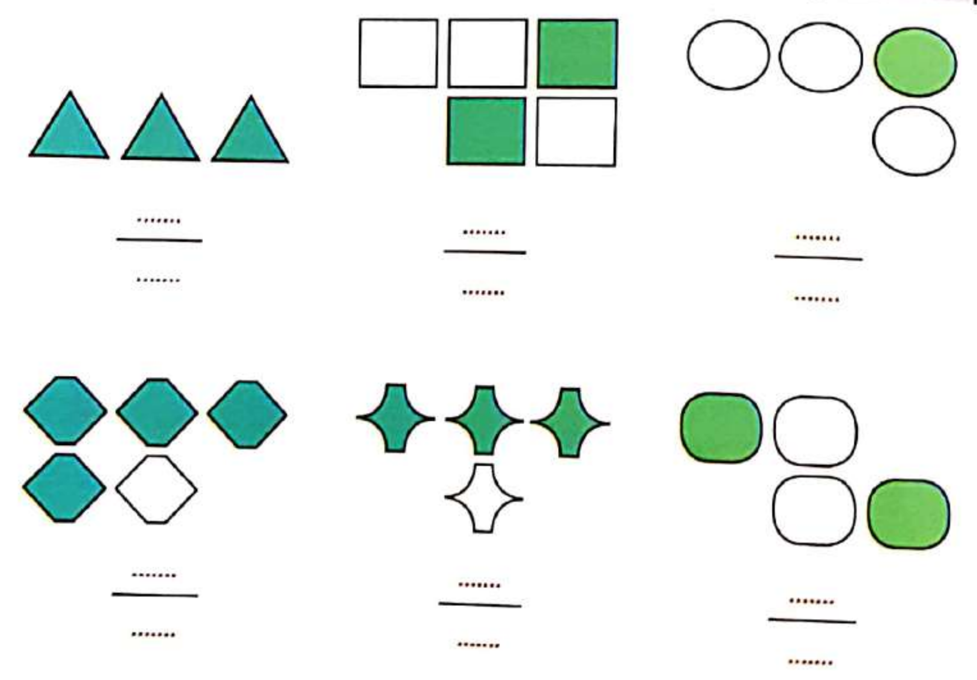
The fraction represent colour Part $\frac{\dots}{\dots}$





The fraction represent the Car $\frac{\dots}{\dots}$

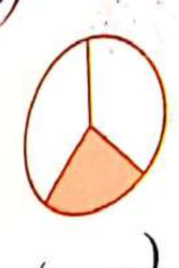
Exercise 4 Write the fraction which represent green ships :

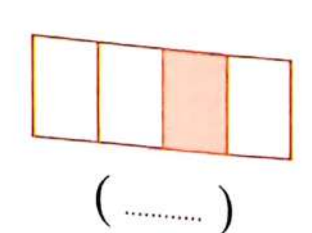


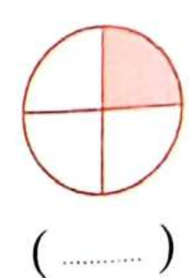
$\frac{\dots}{\dots}$ $\frac{\dots}{\dots}$ $\frac{\dots}{\dots}$

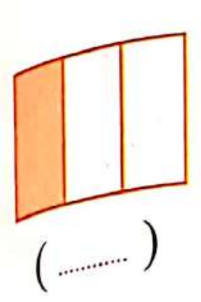
$\frac{\dots}{\dots}$ $\frac{\dots}{\dots}$ $\frac{\dots}{\dots}$

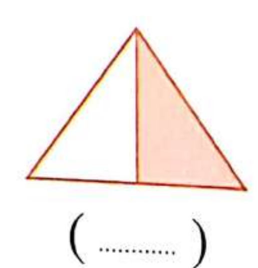
1 Write the fraction according to the colour Part :

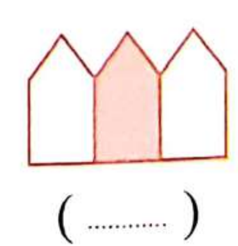

(...........)

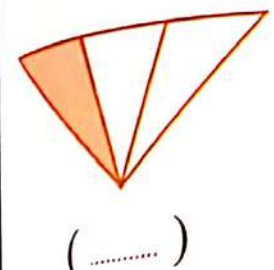

(...........)

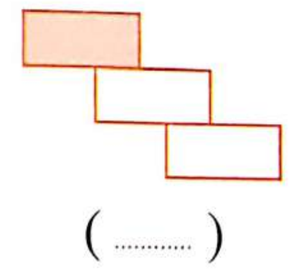

(...........)

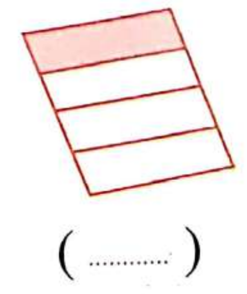

(...........)

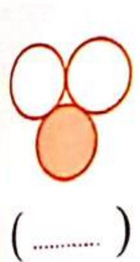

(...........)

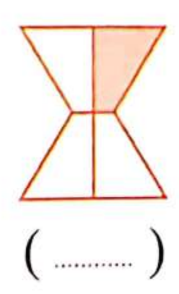

(...........)

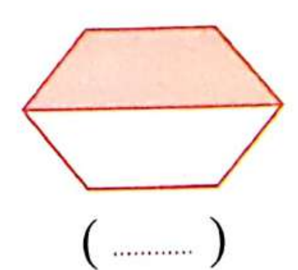

(...........)


(...........)


(...........)

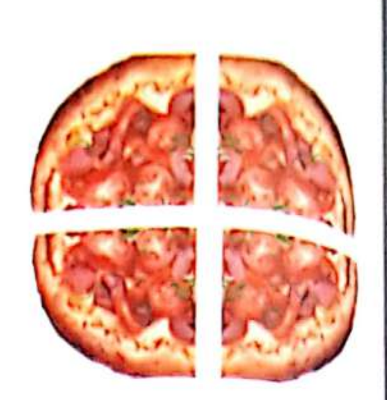

(...........)


(...........)


(...........)

2 Write the fraction :

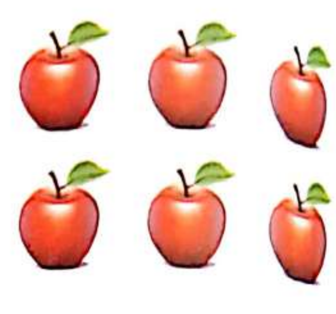
a Reem eating 3 pieces from pizza which divided into 4 parts .



The solution :

The fraction is ....

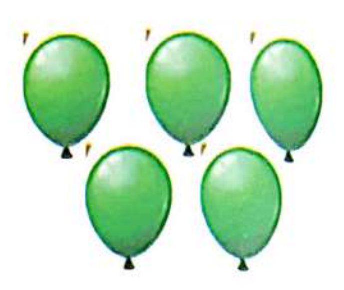
b Ali has 6 apples , he gave 3 apples of them to his mother .



The solution :

The fraction is ....

c Hend had 5 ballones , 2 of them flew away .



The solution :

The fraction is ....

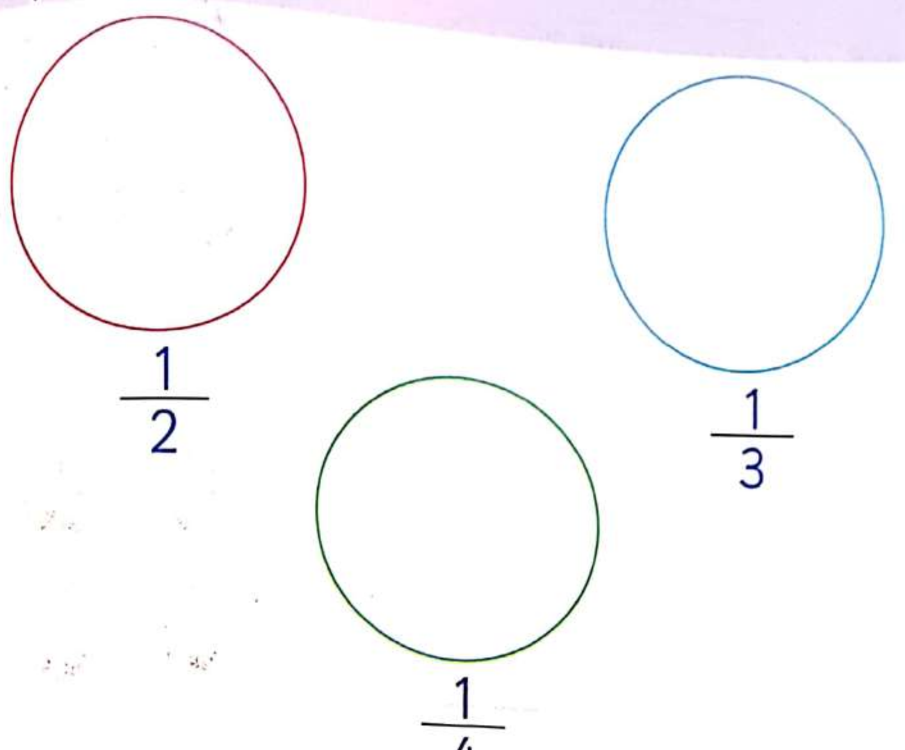
d There are 3 chairs , 3 boys sitting on chairs .



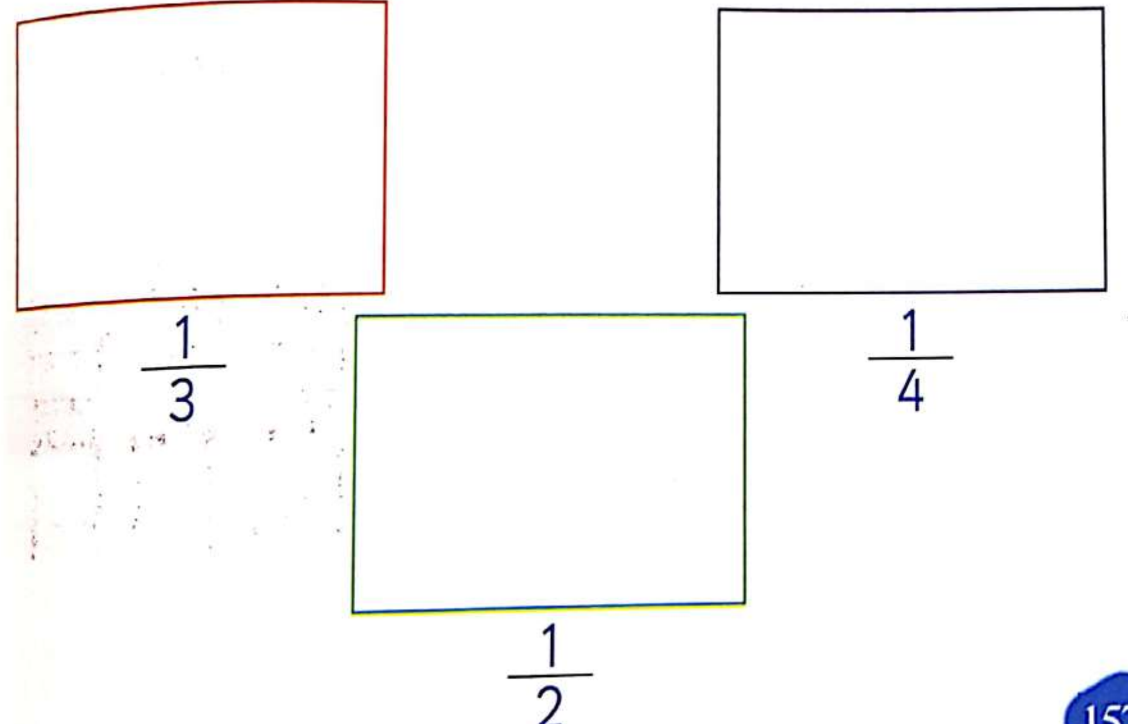
The solution :

The fraction is ....

3 Divide the circle according the fraction , then colour one part with red :



4 Divide the rectangle according the fraction , colour one part with green :



Lesson (109 , 110)

Solve word problems that include fractions

Hint After his parents the student repeats the name of the (Day - Date - Month - Year).

Activity 1 Complete :

10 + 7 = ...	9 + 2 = ...	8 - 6 = ...
7 - 7 = ...	10 + 9 = ...	6 + 9 = ...
0 + 10 = ...	9 - 5 = ...	10 + 2 = ...
9 - 3 = ...	10 - 4 = ...	3 + 8 = ...
10 + 1 = ...	9 + 7 = ...	6 - 3 = ...

Activity 2 Complete :

14 + 5 = ...	12 + 7 = ...	21 + 6 = ...	11 + 8 = ...	24 + 9 = ...	13 + 5 = ...
20 - 13 = ...	55 - 44 = ...	67 - 52 = ...	45 - 35 = ...	70 - 50 = ...	23 - 13 = ...



Activity 3 Marwa made pizza , she divide it into 4 parts .
Write the fractions .

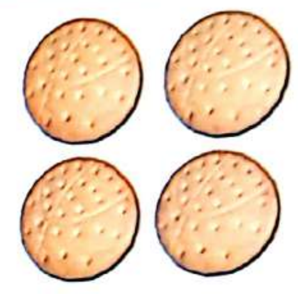


a His brother eat one part of it .
The fractions is $\frac{1}{4}$



b Her sister eat two parts of it.
The fractions is $\frac{2}{4}$

Exercise 1 Rana has 4 pieces from biscuits , she gave to Aya 2 parts of them , write the fraction .



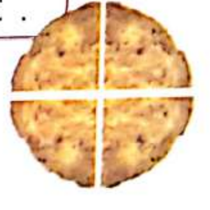
The solution :

The fraction is ....

Exercise 2 Sara made pie , she divided it into 4 parts , her family ate 3 parts from them .
Write the fraction of the reminded part .

The solution :

The fraction is ....



Exercise 3 Karim had apple pie , he divided it into 2 parts ,
He eat one part from them , write the fraction .

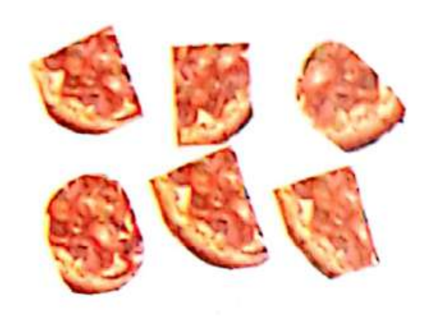
The solution :

The fraction is ....

Exercises on lesson (109 , 110)

(1) Wesam bought one pizza , he divided it into 6 parts he eat 2 parts of them, write the fraction .

solution The fraction is ....



(2) Omar bought one pizza , he divided it to 3 parts, he ate 2 parts of them, write the fraction.

solution The fraction is ....



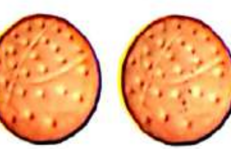
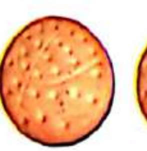
(3) Rania cut 6 flowers, 4 flowers of them are red, 2 flowers of them are yellow, write the fraction of red flowers.

solution The fraction is ....



(4) Dina had 3 pieces of biscuits, she ate all pieces, write the fraction.

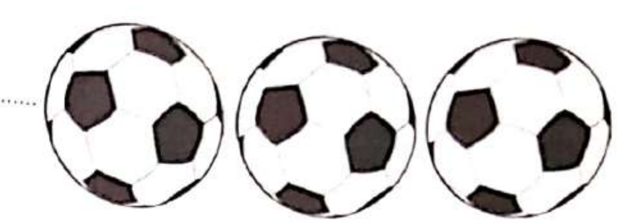
solution The fraction is ....




(5) Nassym has 3 balls , 2 of them damage , what is the fraction that represent the good ball ?

solution The fraction is ....



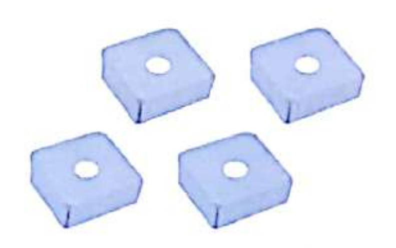
(6) There are 4 flowers , Ashraf gave one to Sara , what is the fraction that represent what Sara take ?

solution The fraction is ....



(7) Mezo has 4 stones he loss one . what is the fraction that represent the loss stone ?

solution The fraction is ....



(8) Hassan has 6 pens , he gave 3 to his brother , what is the fraction that represent the remained pens ?

solution The fraction is ....



Activities from the school book

Activity 1



a What is fraction of the red ? ....

b What fraction of the flowers are blue ? ....

c What fraction of the flowers are red and blue ? ....

Activity 2





a What is fraction of the alarms is red ? ....

b What is fraction of the alarms is green ? ....

c What is fraction of the all alarms ? ....

Activity 3







a What is fraction of the soccer ball is big ? ....

b What is fraction of the soccer ball is small ? ....

c What is fraction of the soccer ball is colored ? ....





a What is fraction of the ball is red ? ....

b What is fraction of the balls is green ? ....

c What is fraction of all ball ? ....



a What is fraction of the bikes are red ? ....

b What is fraction of the bikes are blue ? ....

c What is fraction of the bikes are red and blue ?

Activity 6

a What is fraction of the small pie ? ....

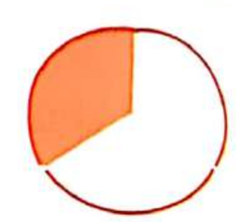
b What is fraction of the big pie ? ....

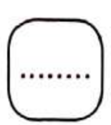
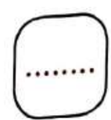
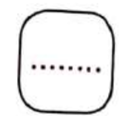
c What is fraction of all the pies ? ....



Self - check 1

1 Write the fraction according to shaded parts :

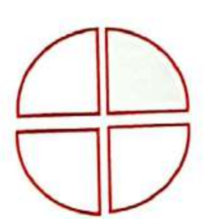
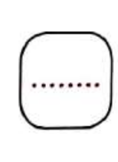
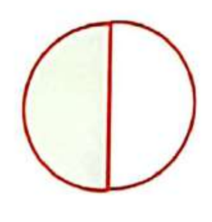
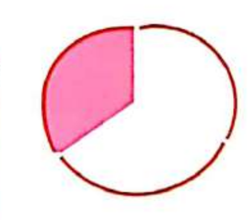
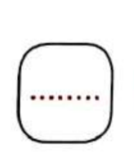
  

2 Colour flowers according to $\frac{3}{4}$:

3 Put (> or < or =) :

   |   

4 Complete :

a) The fraction represent the green house = ...

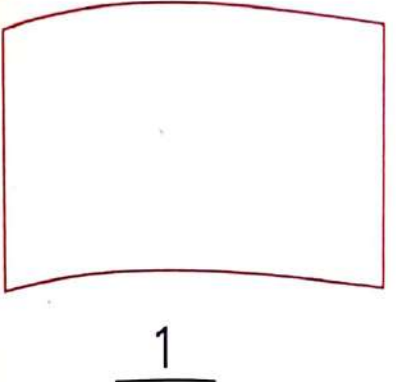


b) The fraction represent the red house = ...

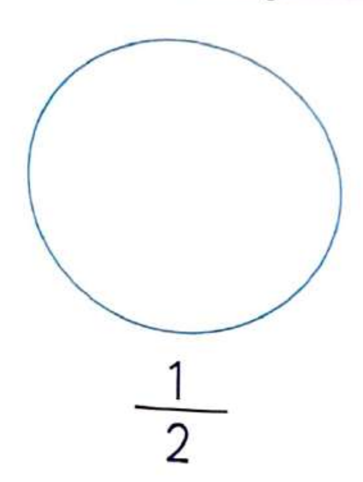




5) Divide each shape and colour according to the fraction :

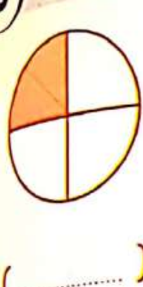


$\frac{1}{3}$

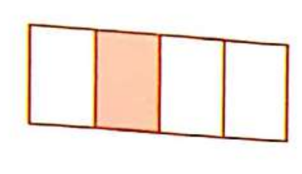


$\frac{1}{2}$

6) Write the fraction according to the coloured part :



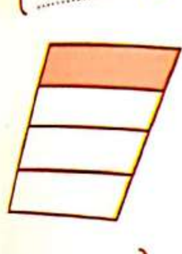
(..................)



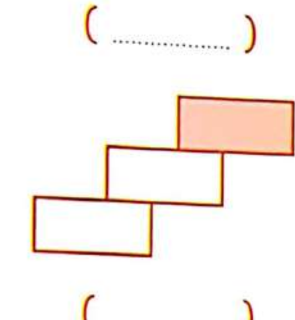
(..................)



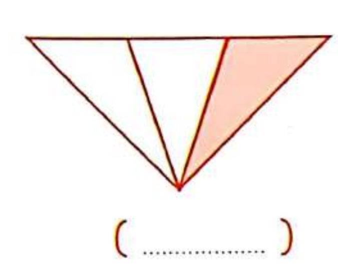
(..................)



(..................)



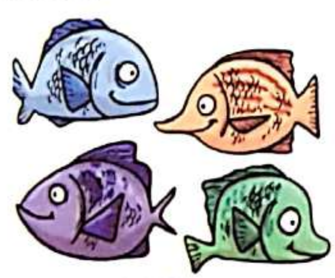
(..................)



(..................)

7) Moneer catch 4 fish he gave 1 fish to his uncle , writ the fraction that represent the part of the uncle.

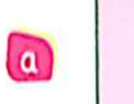
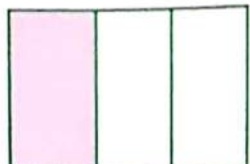
solution The fraction is ....



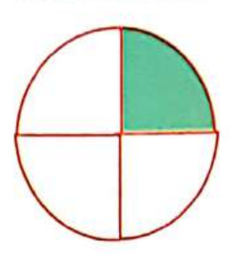




1 Choose the suitable fraction :

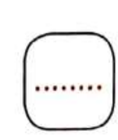
 

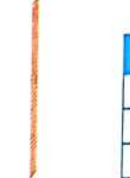
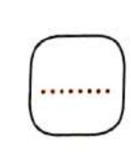
a ($\frac{1}{4}$. $\frac{1}{3}$. $\frac{1}{2}$)

b ($\frac{1}{4}$. $\frac{1}{3}$. $\frac{1}{2}$)

2 Complete using (< or > or =) :

3 From the following colour $\frac{2}{3}$ the balloons :

4 Complete :

a The fraction that represent the blue cars ....



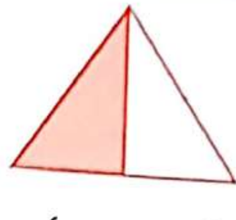
b The fraction that represent the red cars ....



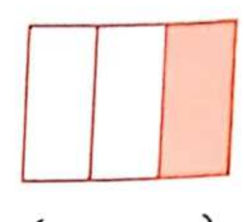
5 Write the fraction according to the coloured part :



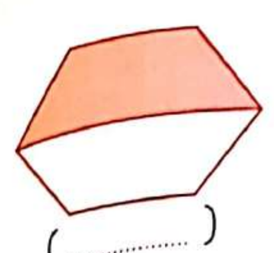
(..................)



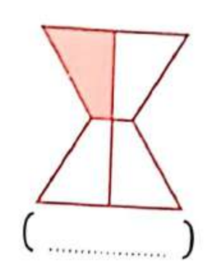
(..................)



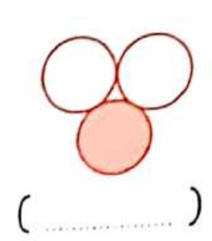
(..................)



(..................)

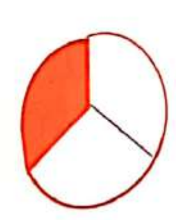


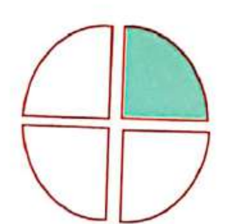
(..................)

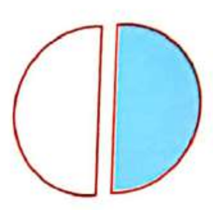


(..................)

6 Join with the suitable fraction :







Half Third Quarter

7 Complete :



a. The fraction that represent the small bear is ....

b. The fraction that represent the big bear is ....

c. The fraction that represent the all bears is ....




Unit
Six
Representing Data



Lesson (111, 112, 113)

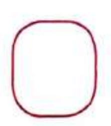
Representing Data



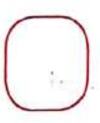
Hint After his parents the student repeats the name of the (Day - Date - Month - Year).



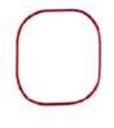
Activity 1 Put (> or < or =) :



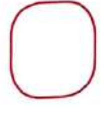


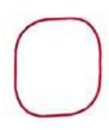






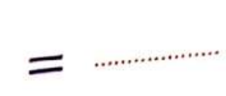


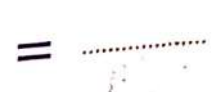



Activity 2 Share and play with the bank counter :

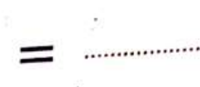




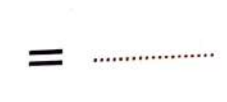








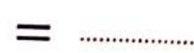















Representing data

Method to represent the data to get understanding and organizing the data

(a) Repressing by pictograph . (b) Repressing by bar graph .

Activity 3 (a) Representing by pictograph :

Cows	
Goats	
Hens	
Sheeps	

Key
Each picture represent 5 animals

The number of pictures of cows is 3 .

Then the number of cows = Picture + Picture + Picture
= 5 + 5 + 5 = 15

The number of pictures of hens is 7 .

The number of hens = 5 + 5 + 5 + 5 + 5 + 5 + 5 = 35

The number of pictures of goats is ………… .

The number of goats = ………… + ………… + ………… + ………… = …………

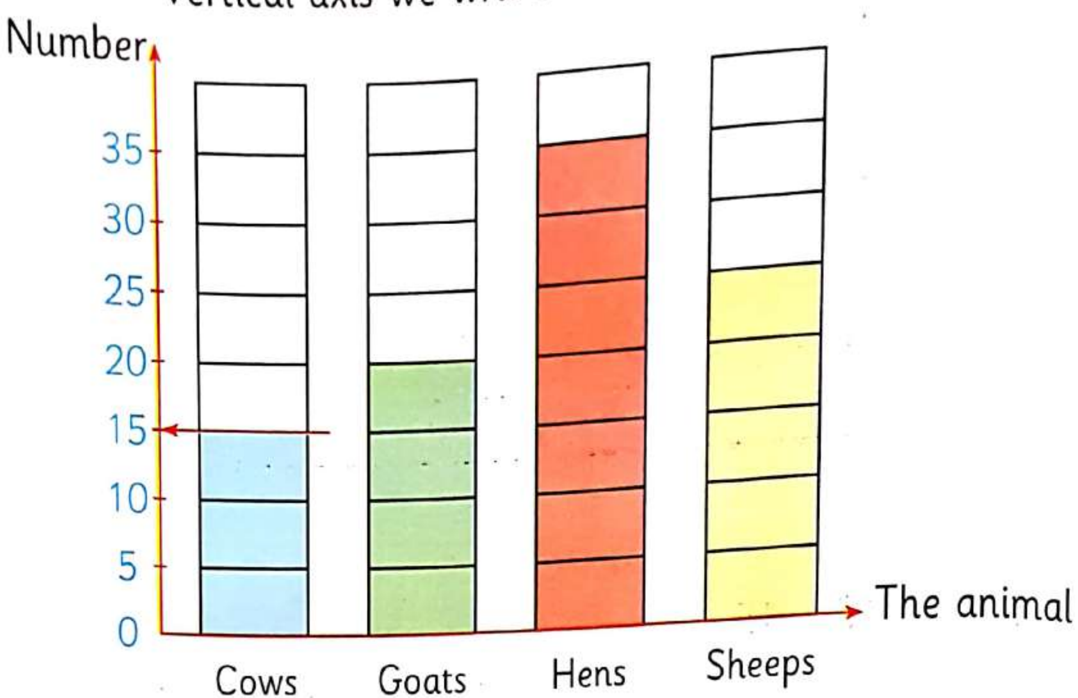
The number of pictures of Sheeps is ………… .

The number of Sheeps = ………… + ………… + ………… + ………… +…………
= …………



b Repressing by bar graph there are two axis :

* Horizontal axis we write the name of animals .
* Vertical axis we writ the number of animals .



Complete the table :

Animals	Cow	Goat	Hen	Sheep
Numbers	....	....	....	....

a How many Cows in the farm ? ....

b How many hens in the farm ? ....

c The difference between the number of hens and goats? ....

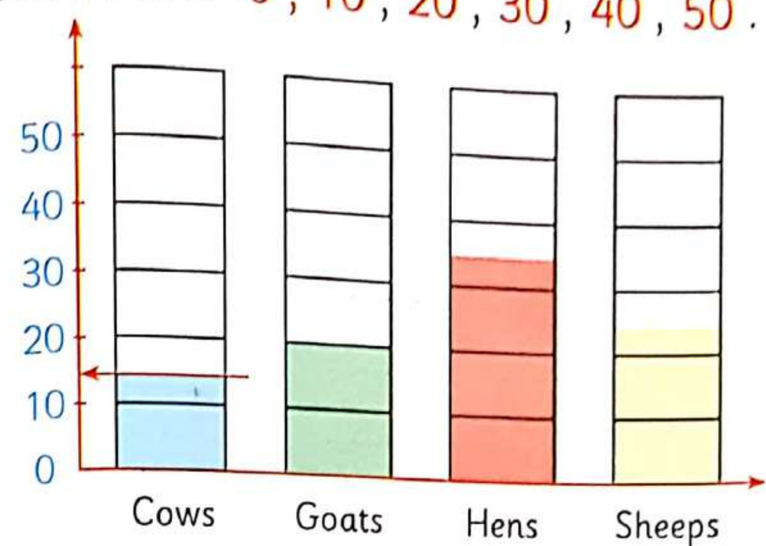
d The least animal is ....



Can you change the scale of the graph ?

- Yes, I can .

** The scale is 0 , 10 , 20 , 30 , 40 , 50 .



-The number of cows in the middle between two numbers 20 and 10 is 15 .

** The scale is (even number) 2 , 4 , 6 , 8 , 10 , 12 , ...

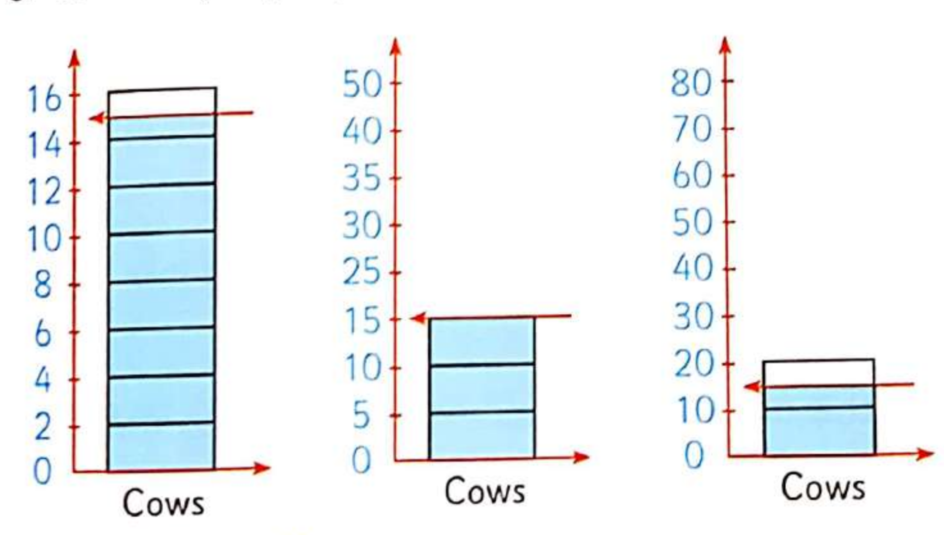
The number of cows lies between two numbers 14 and 16 is 15 .

Which is better for you ?

Scale 5 , 10 , 15 , ...

or scale 10 , 20 , 30 , ...

or scale 2 , 4 , 6 , ...



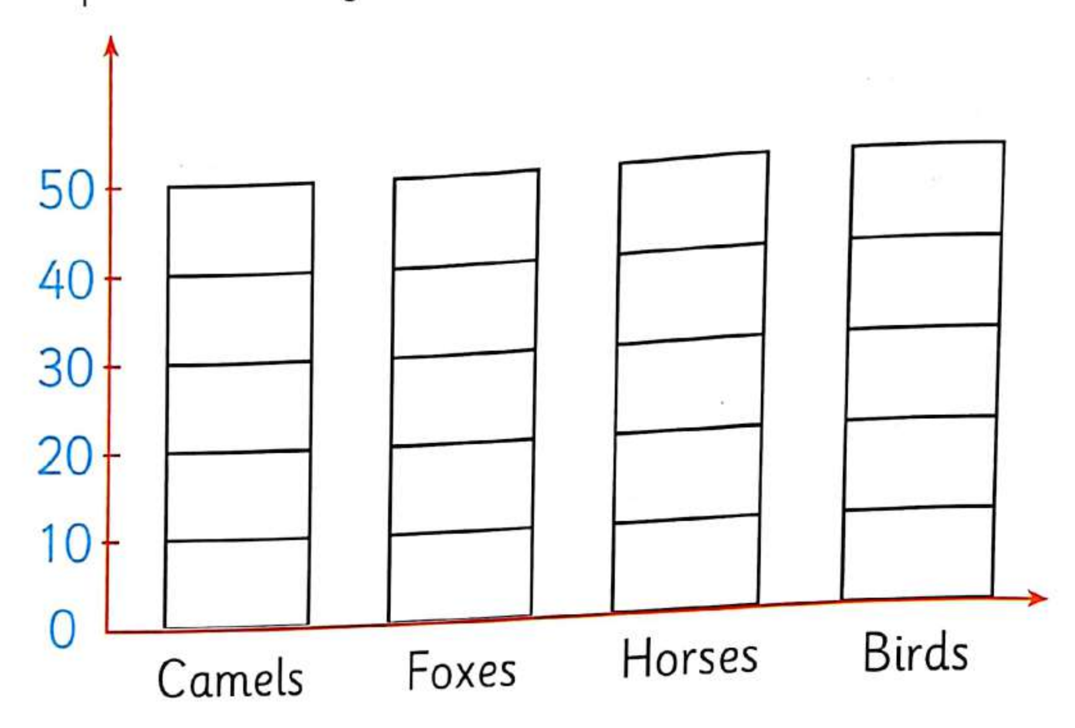




Activity 5 My Grandfather farm has animals :

Animal	Camel	Fox	Horse	Bird
Number	30	25	20	45

Represent data by bars lines :



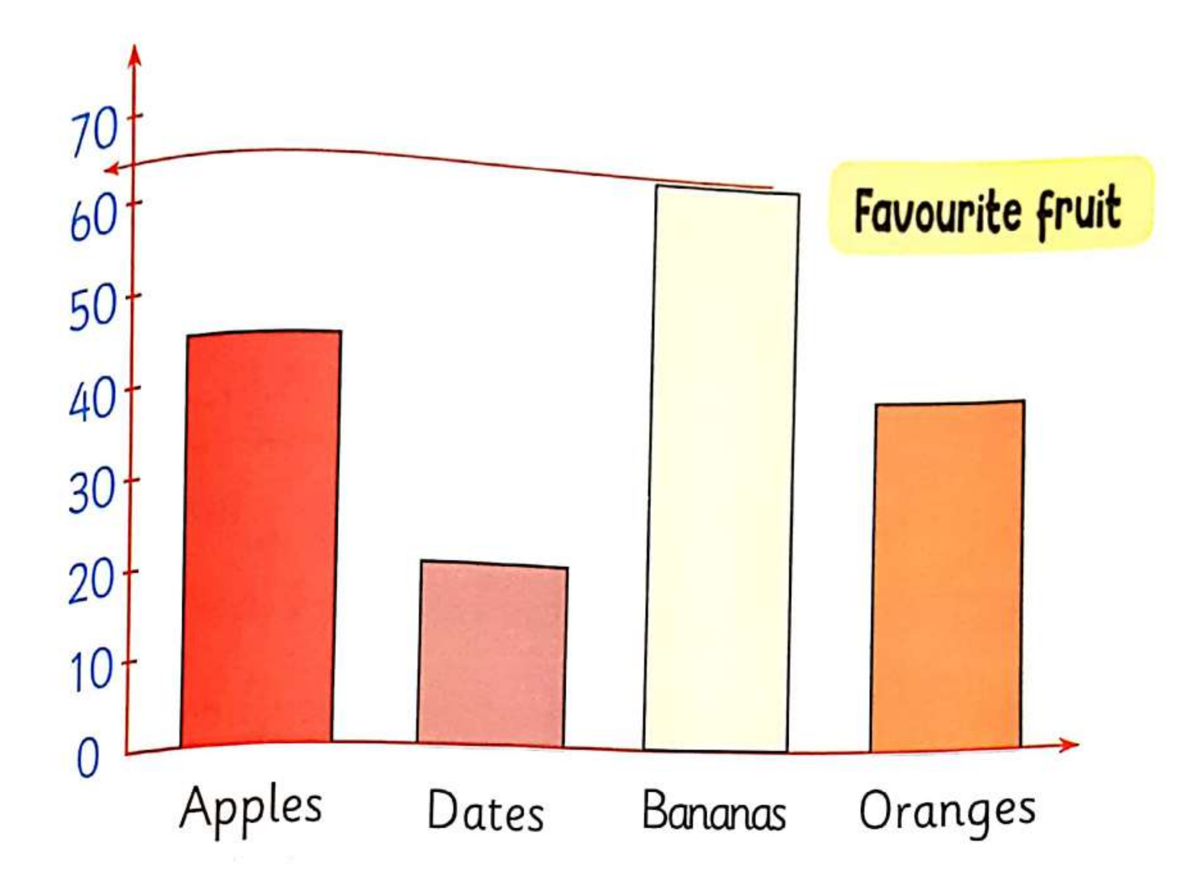
a) The number of all animals in the farm ....

b) The number of foxes and birds together ....

c) The difference between camels and horses ....

d) What is the animal that more representing in graph ? ....

1) Asking some pupils about your favourite fruit , then respresent by bar lines :



a) The number of pupils whose prefer oranges ....

b) How many pupils prefer apples and bananas ? ....

c) The difference between the number of pupils whose prefer dates and bananas ?

d) The least favourite fruits in this graph is ....

2 When you ask your friends about favourite pizza, then represent in pictograph.

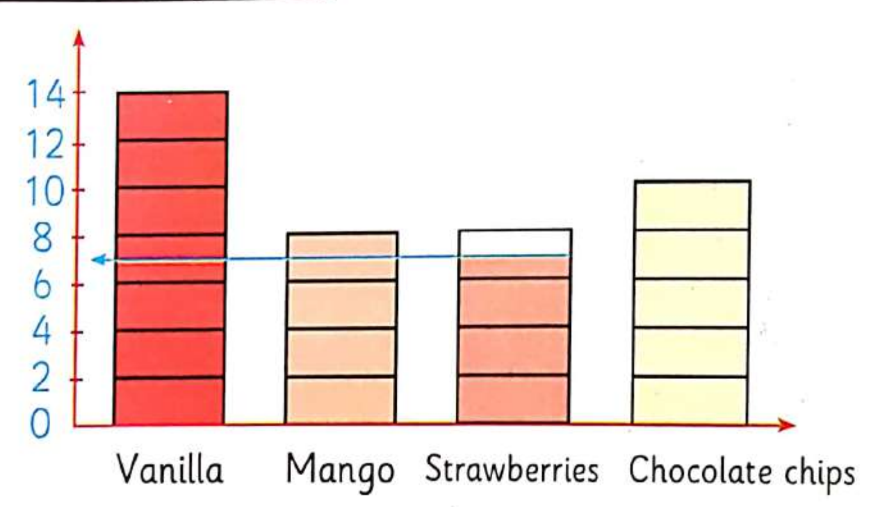
Green peppers	🍕	🍕	🍕	🍕			
Cheese	🍕	🍕	🍕	🍕	🍕	🍕	🍕
Olives	🍕	🍕	🍕				
Mushrooms	🍕	🍕					

a) How many pupils liked cheese and green pepper?

b) How many fewer pupils liked mushrooms than olives?

c) How many pupils liked cheese, green pepper and olives?

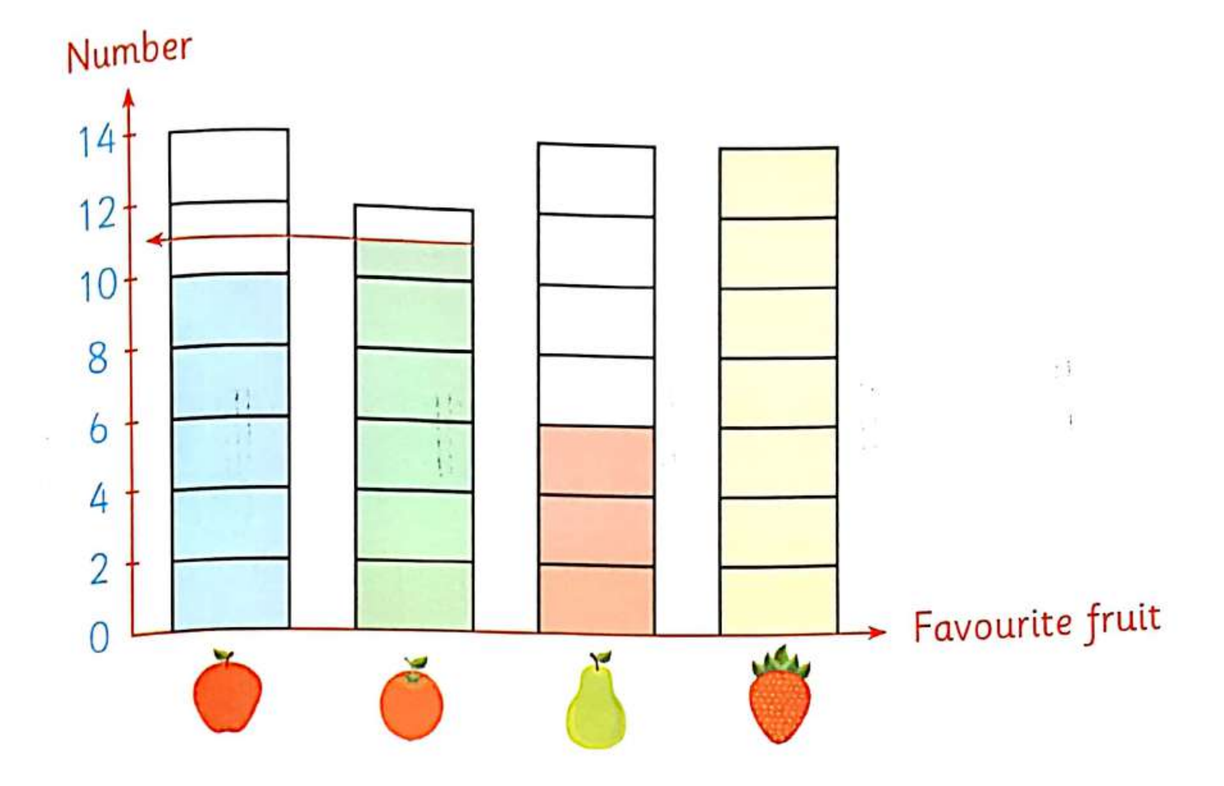
3 When you ask about ice cream lover, then reapers this in bar graph?



- How many persons who prefer ice cream flavour strawberries? ....



What`s your favourite fruits , then ripest in graphs :



From the graph complete :

a How many pupils like ? ....

b Number of pupils prefer .... Number of pupils prefer .

c The difference between number of pupils prefer And prefer .

Solution : The numbers = ... - .... = ...

Lesson (114, 115) Application of Arrays



After his parents the student repeats the name of the (Day - Date - Month - Year).

Activity 1 Choose the answer that's right for you:







Morning - Evening



Morning - Evening

Activity 2 Draw two hands of o`clock according to the times :

a) I`m eating my dinner at 9 p.m .

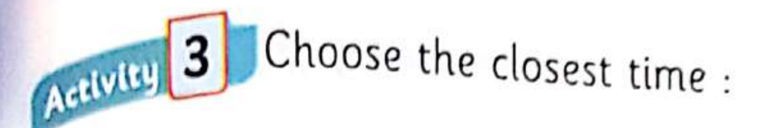


b) I`m learning my lessons at 4 : 15 p.m.



c) I`m eating my breakfast at 6 : 30 am .





Activity 3 Choose the closest time :

a) The time need to eat my breakfast

(15 minutes - 2 hours - 3 hours)

b) We travelled from Tanta to Alexandria at ....

(30 minutes - 45 minutes - 3 hours)

c) The time of the school period on is ....

(2 hours - 15 minutes - 45 minutes)

d) The time from my house to the school on foot is ....

(2 hours - 15 minutes - 3 hours)

Activity 4 Draw the long hand according to the time :

















Application on arrays

1 Array of egg dish :



Number of rows 2

.... + ... = 6

Number of Column 3

.... + ... + ... = 6

Then : array 2 by 3

2 Array of cakes dish :



Number of rows ....

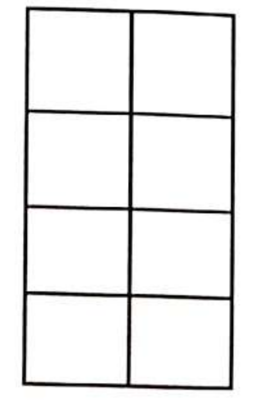
.... + ... + ... + ... = ...

Number of Column ....

.... + ... + ... = ...

Then: array .... by ....

3 Array of Rectangles :



Number of rows ....

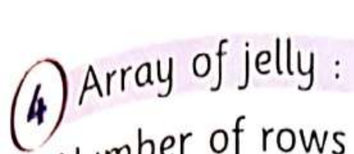
.... + ... + ... + ... = ...

Number of Column ....

.... + ... = ...

Then : array .... by ....





4) Array of jelly :



Number of rows ....

.... + ... + ... + ... + ... = ...

Number of Column ....

.... + ... + ... = ...

Then : array .... by ....

5) Array of the soldiers :



Number of rows ....

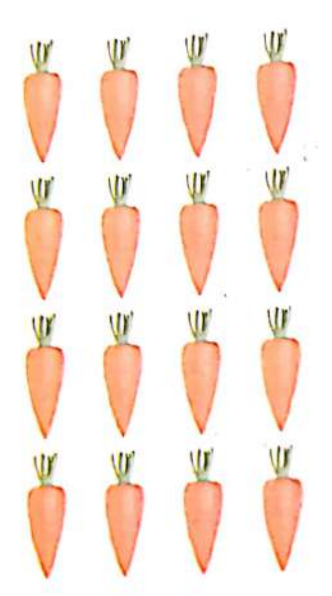
.... + ... = ...

Number of Column ....

.... + ... + ... + ... + ... + ... = ...

Then : array .... by ....

6) Array of Carrots :



Number of rows ....

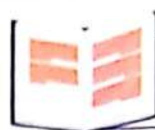
.... + ... + ... + ... = ...

Number of Column ....

.... + ... + ... + ... = ...

Then : array .... by ....





Another application or arrays

Activity ● Array structure :

Array 2 by 3

By colouring 2 Rows and 3 Column

	Col.1	Col.2	Col.3	
Row.1	■	■	■	
Row.2	■	■	■	

When tossing a die twice , the first is rows and the second tossing is columns .

a

Number of rows 4
and number of columns 2
Then its called : array 4 by 2

b

Number of rows ....
and number of columns ....
Then its called : array .... by ....

c

Number of rows ....
and number of columns ....
Then its called array .... by ....

d Array ..... by .....

Number of rows ....

.... + ... + ... = ...

Number of Columns ....

.... + ... + ... + ... = ...

e Array ..... by .....

Number of rows ....

.... + ... = ...

Number of Columns ....

.... + ... + ... = ...

f Array ..... by .....

Number of rows ....

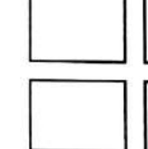
.... + ... = ...

Number of Columns ....

.... + ... + ... + ... = ...

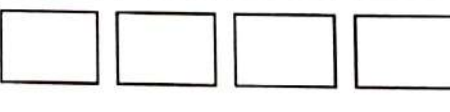



g Array ..... by .....




Number of rows ....

.... + ... + ... = ...



Number of Columns ....

.... + ... + ... = ...

Lesson (116:120) Problem-solving strategy



After his parents the student repeats the name of the (Day - Date - Month - Year).



Share and play with bank counter to choose:

LE 43









Activity 2 Share and play with bank counter to choose:

LE 102











Activity 3 Adding by decomposing :

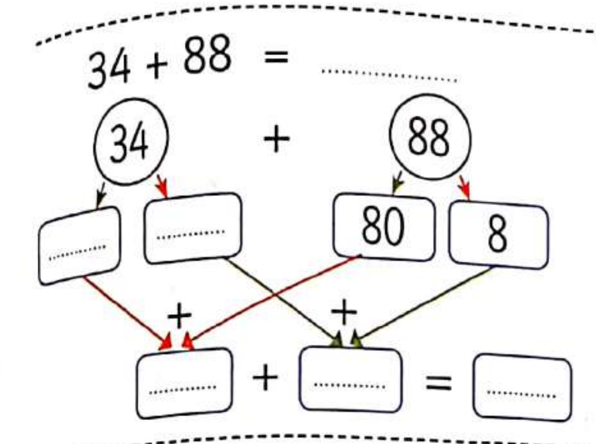
67 + 45 = ...

67 + 45

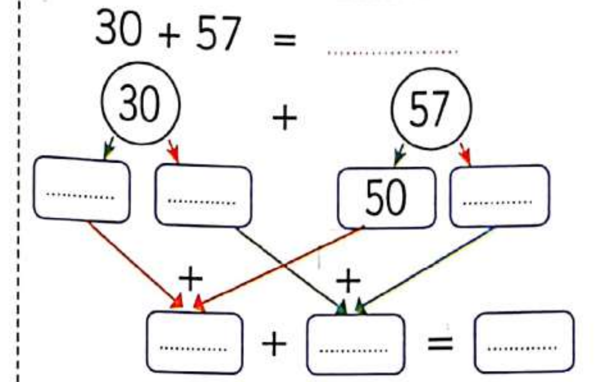
60 | 7 | 40 | 5

100 + 12 = 112

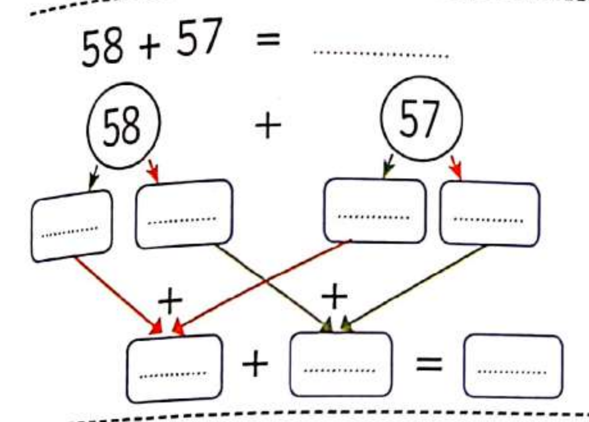
34 + 88 = ...



30 + 57 = ...



58 + 57 = ...



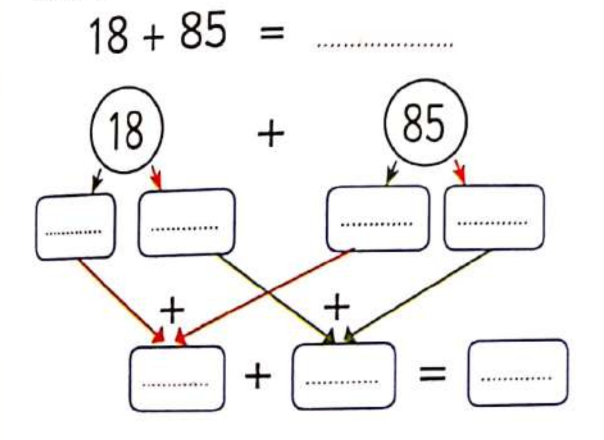
86 + 95 = ...

86 + 95

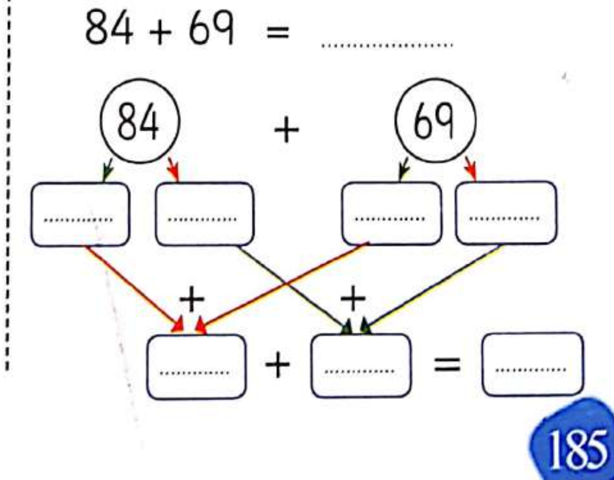
80 | .... | .... | 5

.... + ... = ...

18 + 85 = ...



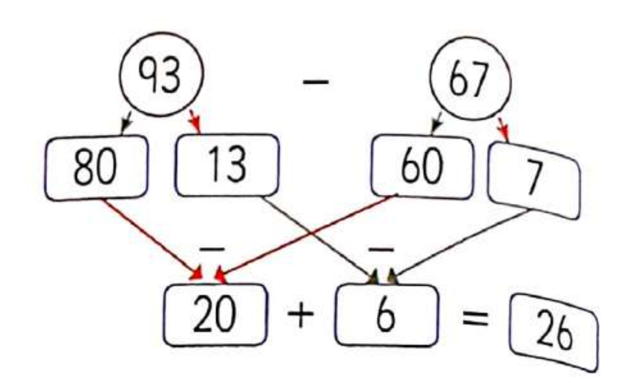
84 + 69 = ...



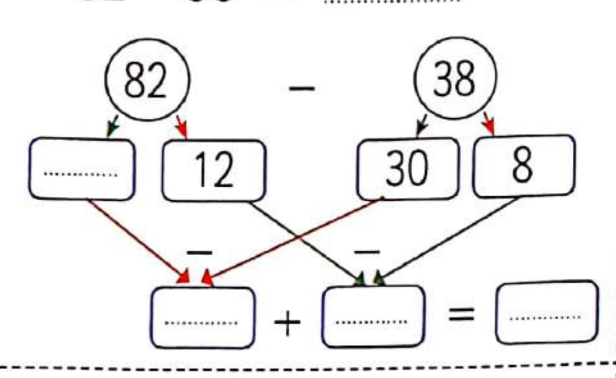


Activity 4 Subtracting by decomposing :

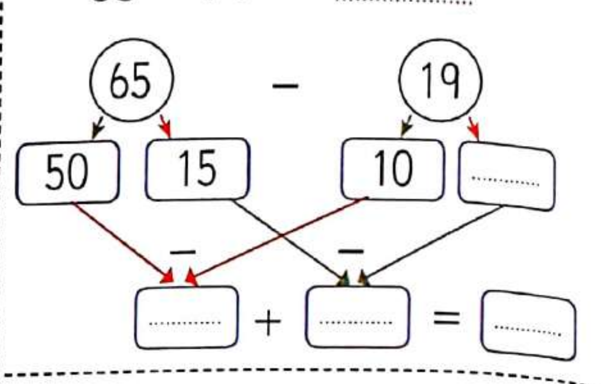
93 – 67 = ...



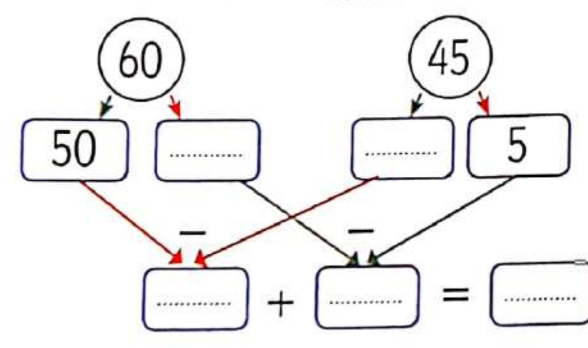
82 – 38 = ...



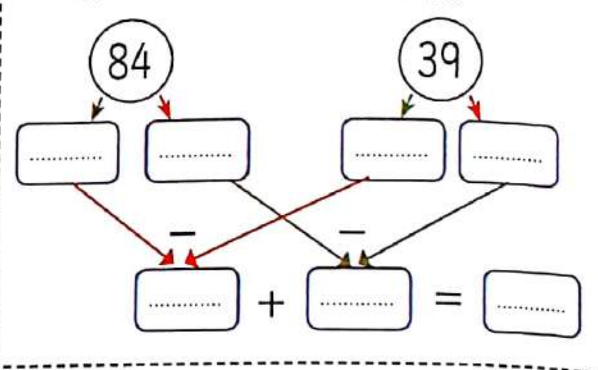
65 – 19 = ...



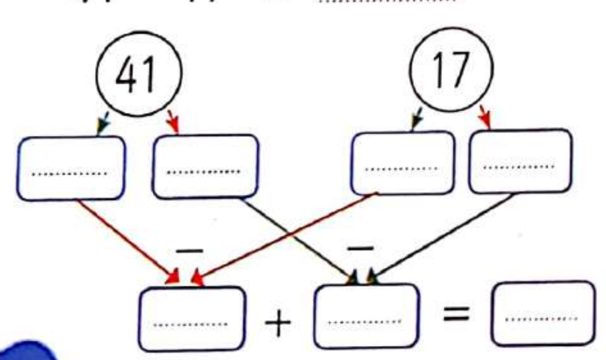
60 – 45 = ...



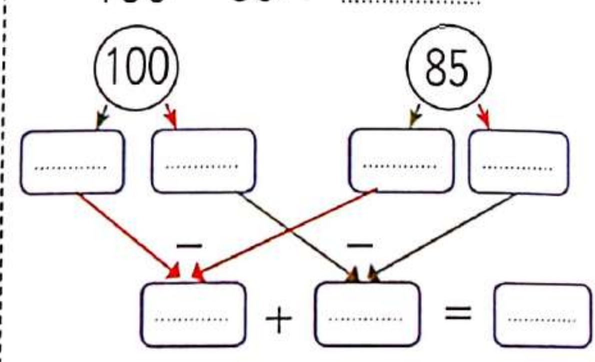
84 – 39 = ...



41 – 17 = ...



100 – 85 = ...







Exercise 1 Add as the example (A) :

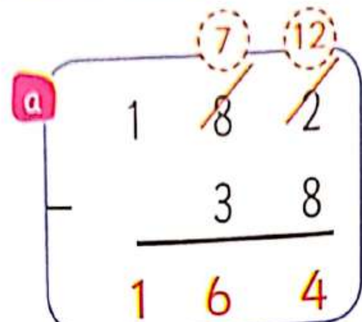
a	b	c
(1) 3 4 1 + 7 7 = 4 1 8	2 7 1 + 5 1 = ...	3 6 0 + 1 5 5 = ...
d	e	f
7 3 3 + 1 9 0 = ...	2 5 6 + 8 0 = ...	1 2 2 + 1 8 8 = ...
g	h	i
3 5 2 + 4 5 6 = ...	4 4 4 + 1 8 4 = ...	2 2 7 + 1 9 0 = ...

Exercise 2 Add as the example (A) :

a	b	c
(1)(1) 5 6 5 + 7 6 = 6 4 1	2 1 8 + 8 5 = ...	1 8 4 + 5 8 = ...
d	e	f
3 5 8 + 2 5 7 = ...	3 1 3 + 2 8 9 = ...	2 7 7 + 2 6 3 = ...

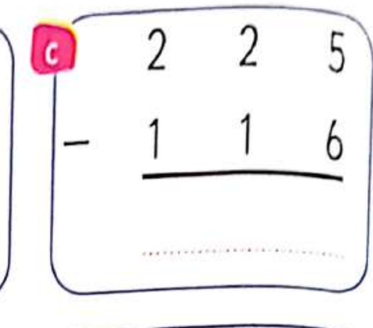


Exercise 3 Subtract as the example (A) :



a)
```
   (7)(12)
 1  8̸  2̸
-   3  8
---------
 1  6  4
```

b)
```
 1  8  0
-   3  1
---------
 .........
```



c)
```
 2  2  5
-1  1  6
---------
 .........
```

d)
```
 4  6  4
-2  1  5
---------
 .........
```

e)
```
 3  5  3
-   4  7
---------
 .........
```

f)
```
 5  4  1
-2  1  9
---------
 .........
```

g)
```
 5  0  7
-1  8  0
---------
 .........
```

h)
```
 9  6  5
-7  7  5
---------
 .........
```

i)
```
 2  3  4
-1  6  2
---------
 .........
```

Exercise 4 Subtract as the example (A) :

a)
```
(1)(13)
    3   10
 2̸  4̸  0̸
-   6  5
---------
 1  7  5
```

b)
```
 3  3  0
-   4  7
---------
 .........
```

c)
```
 2  9  4
-   9  5
---------
 .........
```

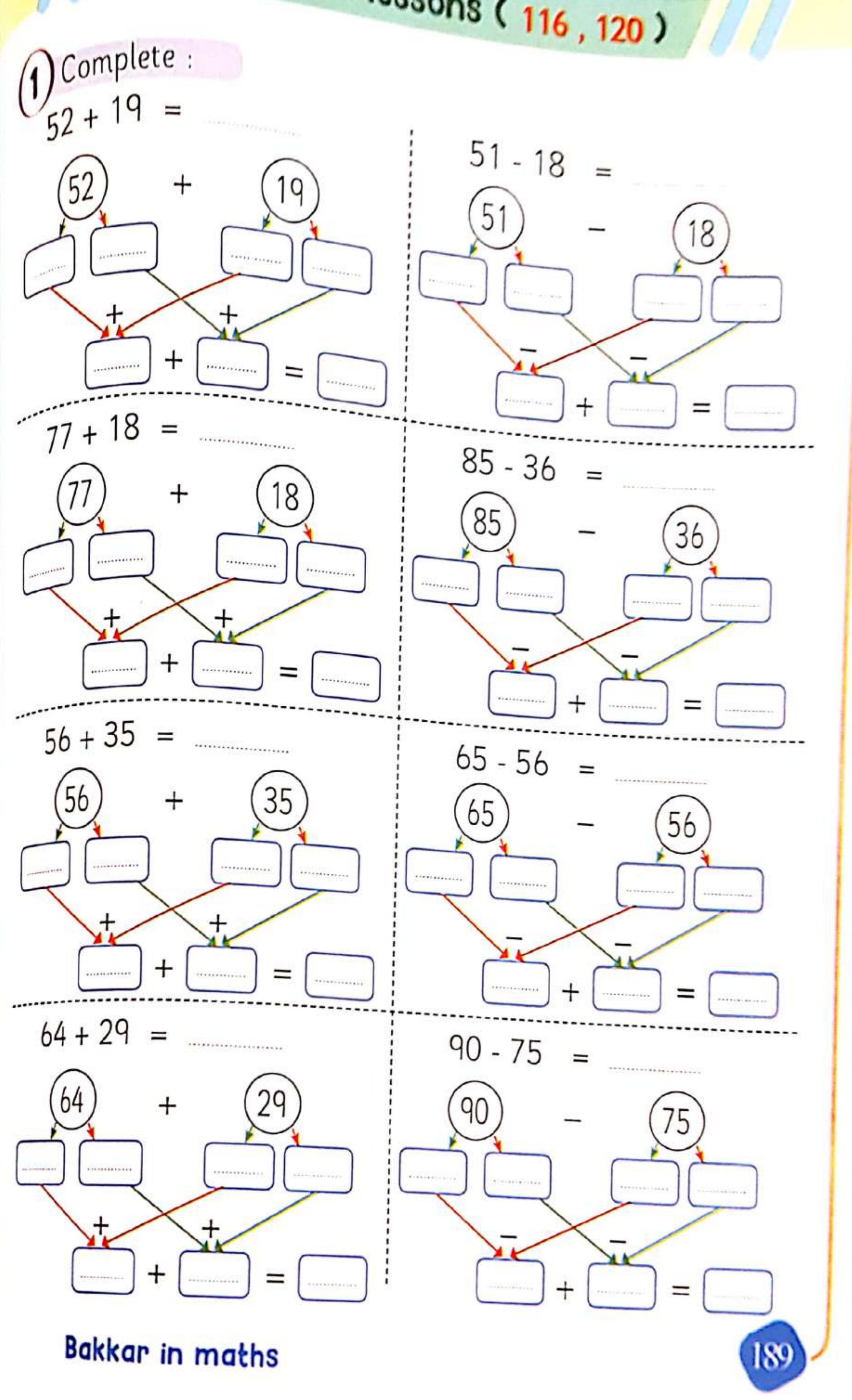
d)
```
 2  3  0
-1  5  7
---------
 .........
```

e)
```
 4  5  6
-4  8  4
---------
 .........
```

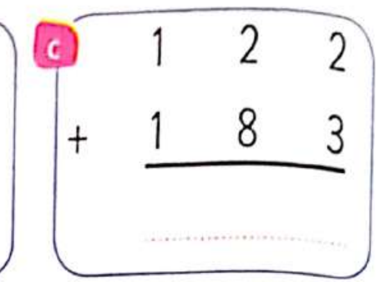
f)
```
 5  0  0
-2  5  6
---------
 .........
```

Exercises on lessons (116 , 120)

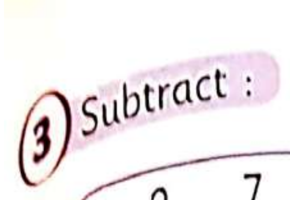
1) Complete :



2 Adding :

a 333 + 284	**b** 562 + 187	 **c** 122 + 183 ....
d 111 + 192	**e** 888 + 81	**f** 592 + 193 ....
g 112 + 489	**h** 555 + 356	**i** 507 + 293 ....
j 318 + 184	**k** 561 + 269	**l** 228 + 282 ....
m 390 + 390	**n** 488 + 481	**o** 291 + 309 ....





3) Subtract :

a)
```
  2 7 5
-   5 6
-------
.......
```

b)
```
  4 1 4
-   5 1
-------
.......
```

c)
```
  2 1 3
- 1 1 8
-------
.......
```

d)
```
  3 1 2
- 1 0 9
-------
.......
```

e)
```
  6 5 7
-   6 2
-------
.......
```

f)
```
  3 0 3
- 1 1 5
-------
.......
```

g)
```
  4 3 8
- 1 1 9
-------
.......
```

h)
```
  4 5 5
- 3 6 5
-------
.......
```

i)
```
  3 0 0
- 1 8 7
-------
.......
```

j)
```
  2 5 0
-   4 7
-------
.......
```

k)
```
  1 8 9
-   9 7
-------
.......
```

l)
```
  1 9 6
-   9 9
-------
.......
```

m)
```
  3 2 6
- 3 0 7
-------
.......
```

n)
```
  6 1 5
- 2 2 1
-------
.......
```

o)
```
  6 0 0
- 3 0 8
-------
.......
```



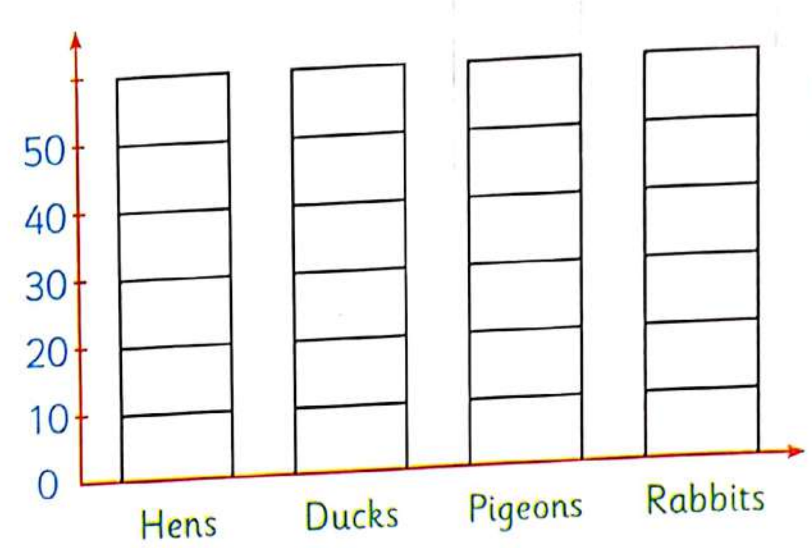


Self - check 1

1 On my grandmother's farm, some animals are listed in the following table:

Animal	Hens	Ducks	Pigeons	Rabbits
Number	40	15	10	35

Representing data by columns , then answer the questions ?



a) How many animals in the grandmother`s farm ? ....

b) How many hens and ducks together ? ....

c) The difference between rabbits and hens ? ....

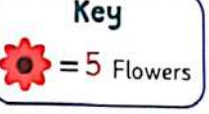
d) What is the animal that more representing in graph ? ....

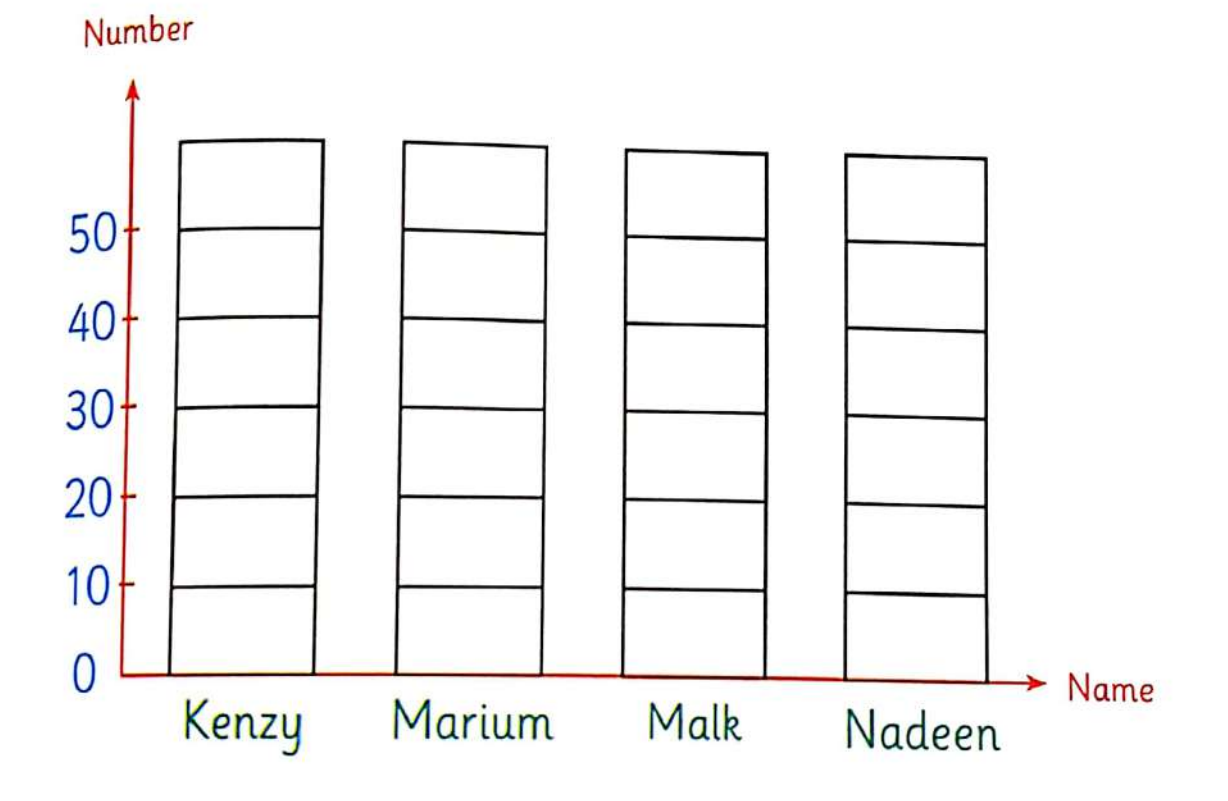


2 Representing data by bar graph of flowers with each girl , then listed it in the following table:

Kenzy	
Mairum	
Malk	
Nadeen	

Name	Kenzy	Marium	Malk	Nadeen
No. of flowers	....	....	....	25



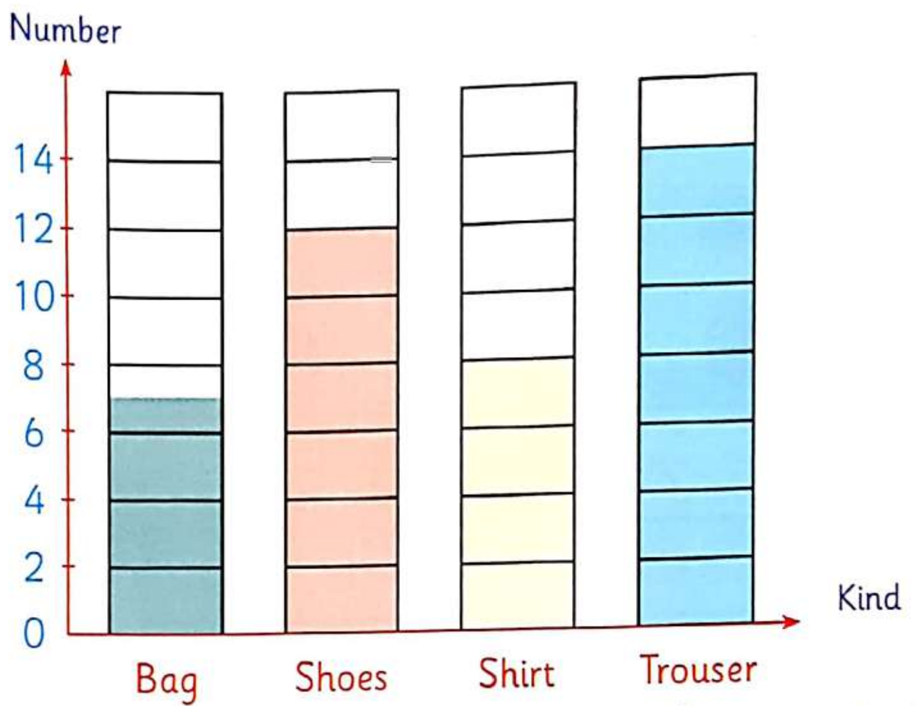






Self - check 2

1 The graph blow represent data about number of some kind in a shop :



Complete the chart using a graphical representation, then answer the questions:

Kind	Bag	Shoes	Shirt	Trouser
Number	....	12	....	....

a) How many bags in the shop ? ....

b) How many trousers and shirts all together ? ....

c) What is the increase of no. of shoes than no. of shirts ?

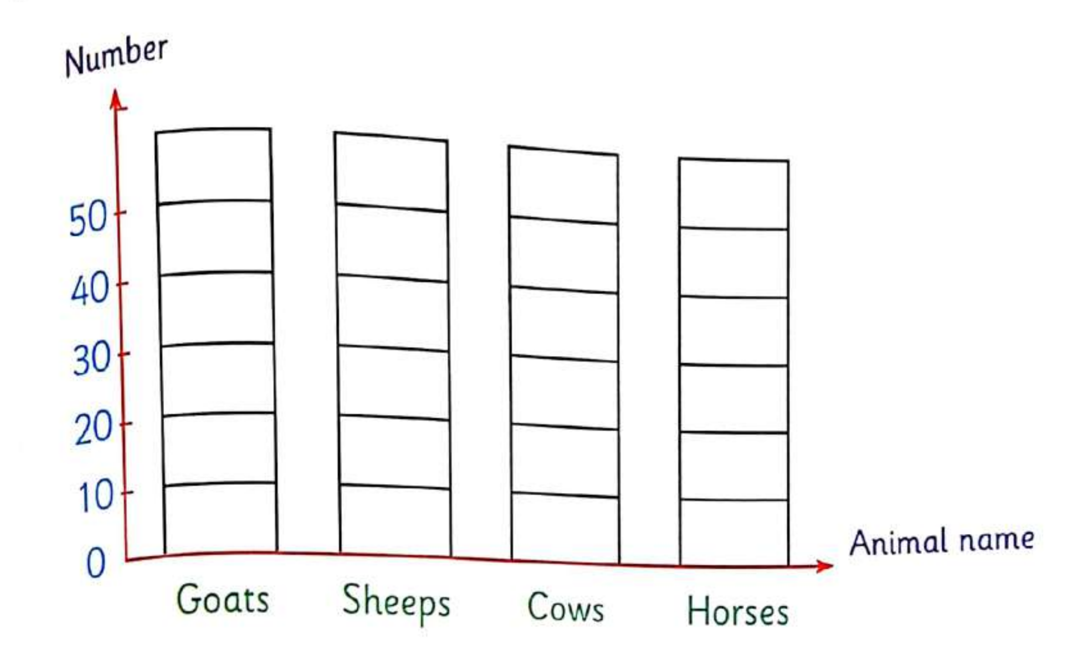
d) What is the kind that has more representing ? ....



In my father farm there are the following animals :

Animal	Goats	Sheeps	Cows	Horses
Number	20	40	15	10

represent the number of animals by the bar graph then complete:



a) What is the number of animals in the farm ? ....

b) What is the number of goats and sheeps together ? ....

c) What is the difference between the number of cows and no. of horses ? ....

d) What is the animal that has more representing ? ....

For more activities and exercises, enjoy with the skill skills

Bakkar activities on the units

Bakkar exercises 

 Find the result :

	Tens	Ones
	7	2
-	3	5

	Hundred	Tens	Ones
	4	0	9
+	3	7	8

	Hundred	Tens	Ones
	3	5	3
-		3	4

 Write the amount of money

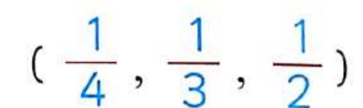
= .... pounds ,  = ... pounds

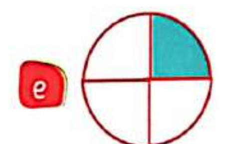
 Choose the correct answer :

a) △□△△□ .... the pattern is : ...... (△□, △△△□ , △)

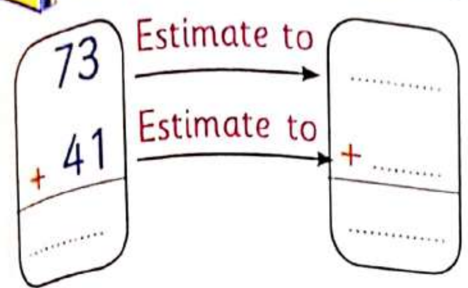
b) The number 610 is .... number. (**even** , **odd**)

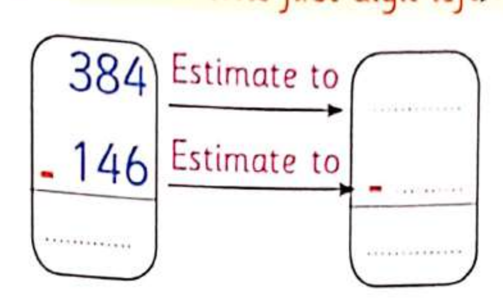
c) 10 , 15 , 20 , 25 , ... the rule is .... (**+10** , **+5** , **-10**)

d)  ($\frac{1}{4}$, $\frac{1}{3}$, $\frac{1}{2}$)

e)  ($\frac{1}{4}$, $\frac{1}{3}$, $\frac{1}{2}$)

4 Estimate the result by using place value (The first digit left).



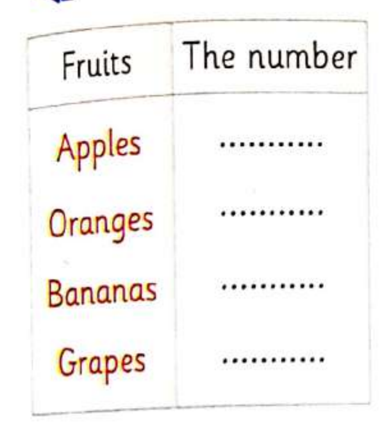


5 Amr bought a book for 85 pounds, and new suite by 473
How many pounds did Amr pay ?

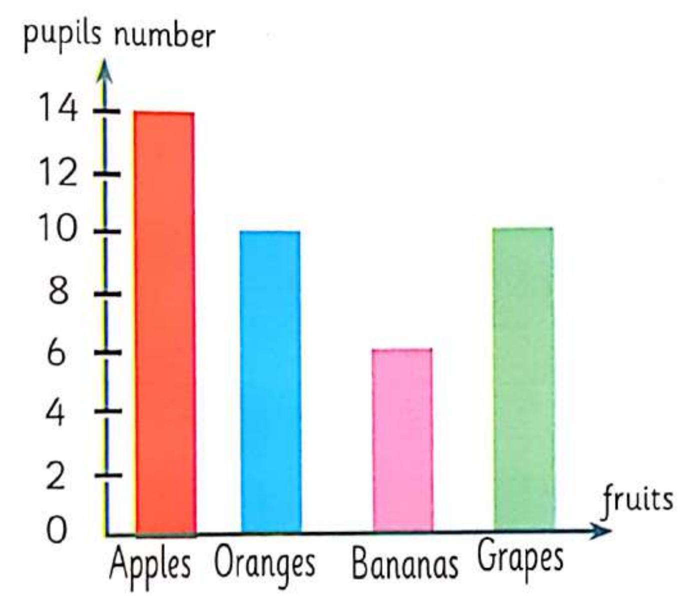
solution He paid = ... + ... = ... pounds.

The amount	hundreds 100 pounds	Tens 10 pound	Ones 1 pound
....	....	....	....
....	....	....	....
The sum	....	....	....

6 Complete the table then answer the questions :



Fruits	The number
Apples	....
Oranges	....
Bananas	....
Grapes	....



a The number of bananas = ...

b The number of orange (....) the number of grapes.

Bakkar exercises 2

1 Find the result :

	Tens	Ones
	4	3
+	4	9

	Hundred	Tens	Ones
	3	9	0
+	5	7	8

	Hundred	Tens	Ones
	7	1	8
−	1	3	4

2 Complete :

a) The even numbers lies between 10 and 20 are ....

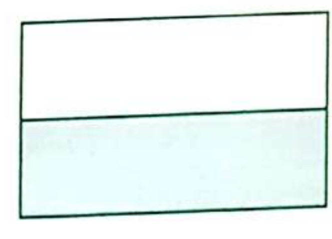
b) The approximate 738 to the nearest hundred is ....

c) The odd number just after 569 is ....

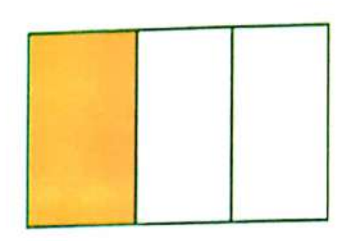
d) 75 , 66 , 57 , ... , ... the rule is ....

e) The estimate of number 385 is .... (according to place value).

3 Write the fractions :



(........................)



(........................)

(........................)

4 Complete :

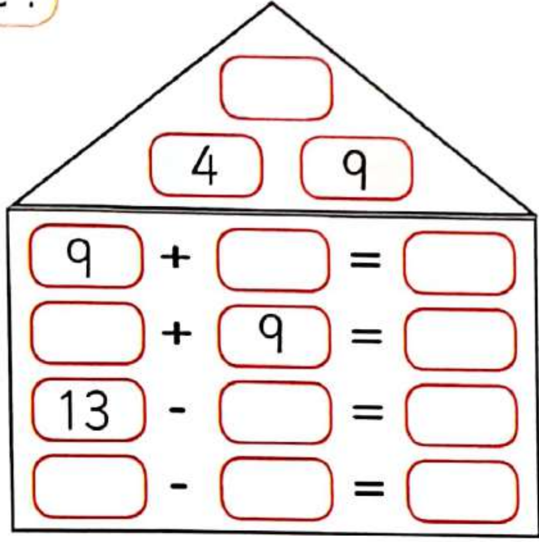
The number of rows are ....

The number of columns are ....

Then array is .... by ....

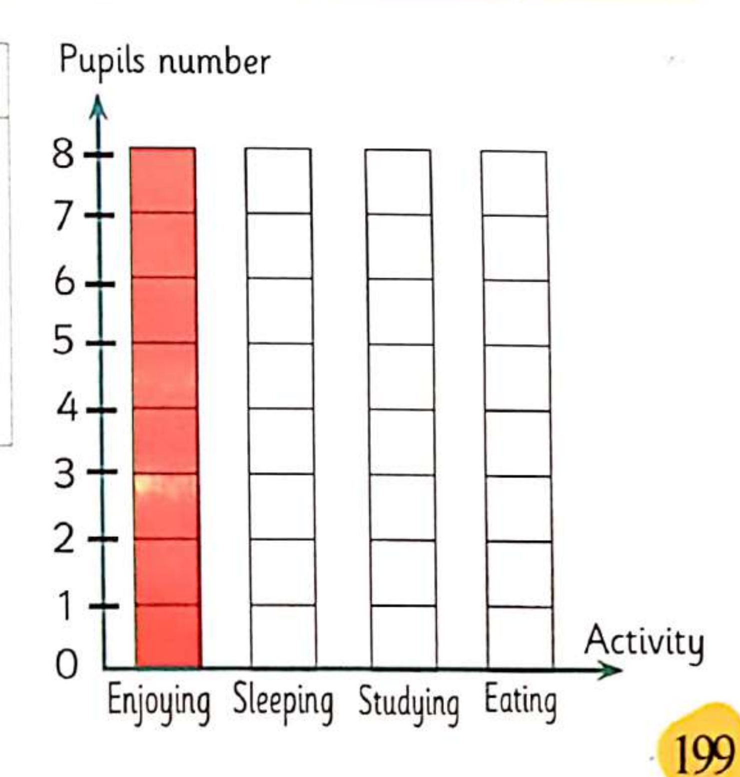


5 Complete the number sentences using Fact house :



6 The teacher asked his students , what did you do at 5 p.m at

Activity	Numbers of pupils
Enjoying	8
Sleeping	7
Studying	9
Eating	6



Bakkar exercises 3

1 Find the result :

76	461	670	619	164
+ 18	+ 153	- 190	- 97	- 100
....	....	....	....	....

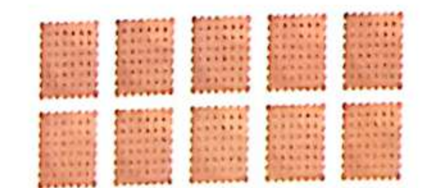
2 Complete the table :

Problems	Sum	Odd/Even
5 + 6		
8 + 10		
3 + 40		

3 Complete :

a) S S G S S G S S G .... the rule is ....

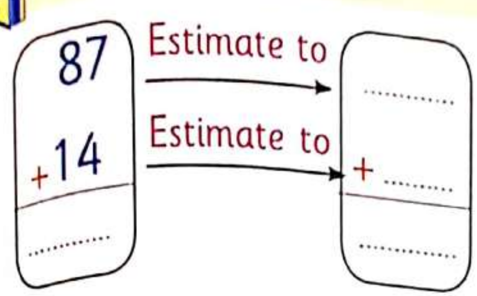
b) Array .... by ....

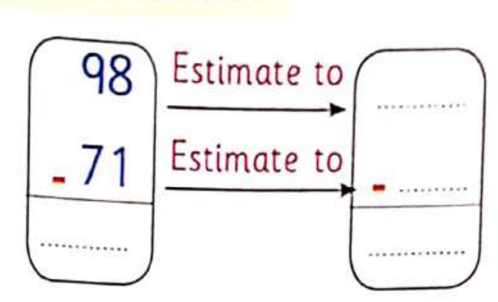


c) Saher bought a shoes by 180 pounds and a toy by 55 pounds. How much did Saher pay ?

solution Saher paid = ... + ... = ... pound

4 Estimate each number then , Find the result :





5 Hossam bought a pizza , that consists of 3 pieces , He ate 2 pieces. Write the fraction represent of remainder of pizza.

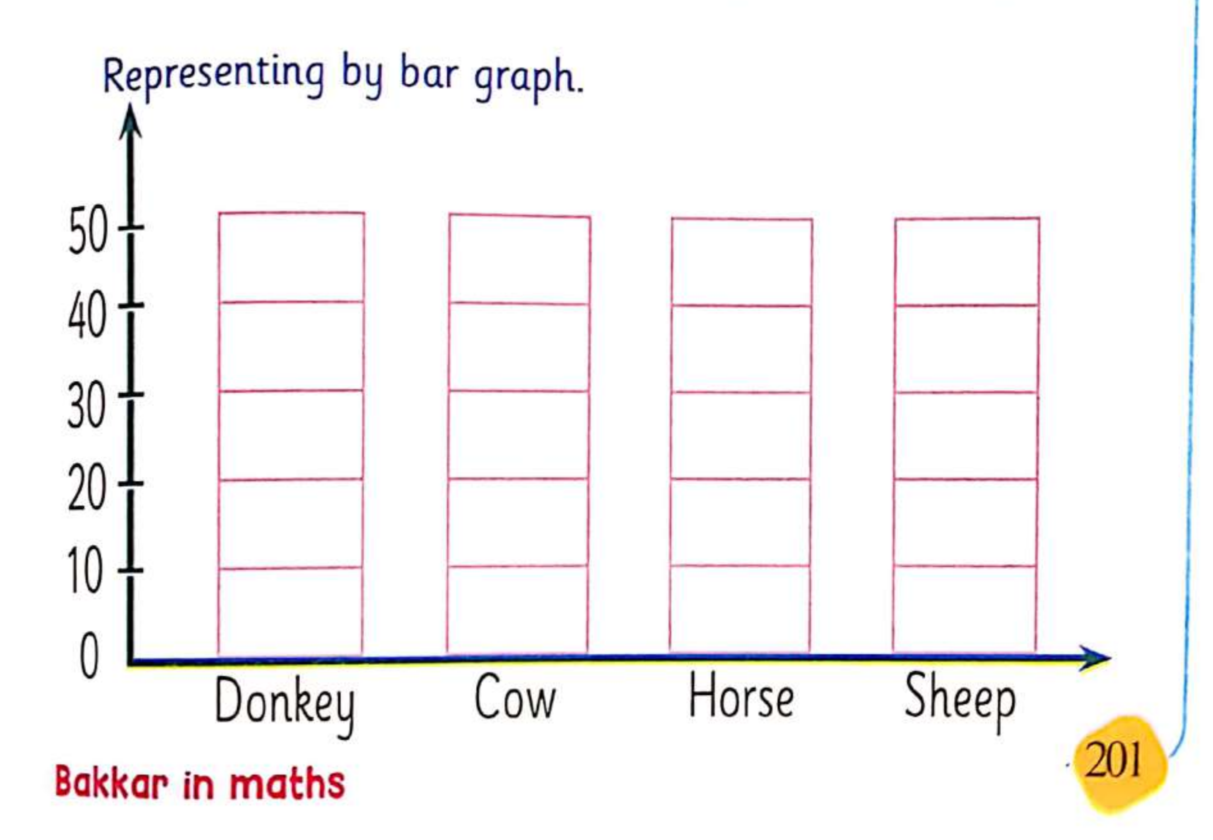
Solution The fraction is ....

6 The following table show the animals in a farm .

The animal	Donkey	Cow	Horse	Sheep
The number	20	15	30	40

Representing by bar graph.



Bakkar activity

Bakkar exercises 4

1 Find the result :

	Tens	Ones
	3	8
+	5	7

	Hundred	Tens	Ones
	4	8	6
−	1	5	8

	Hundred	Tens	Ones
	5	8	7
+	3	0	4

2 Share and play with bank counter :

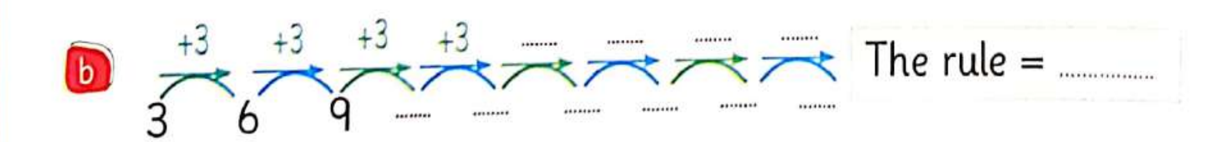

= ....


3 Complete the pattern and the rule :

a) +10, -5, +10, -5, ..., ..., ..., ...

100 110 105 ....

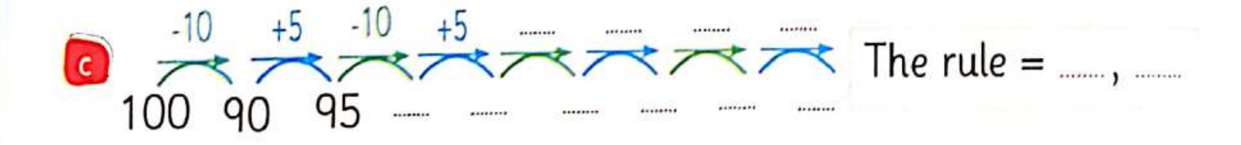
The rule = ..., ...



b) +3, +3, +3, +3, ..., ..., ..., ...

3 6 9 ....

The rule = ...

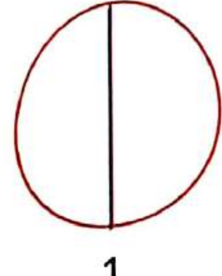


c) -10, +5, -10, +5, ..., ..., ..., ...

100 90 95 ....

The rule = ..., ...

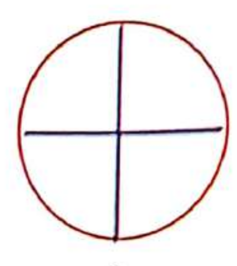
4 Colour according to the fractions :



$\frac{1}{2}$

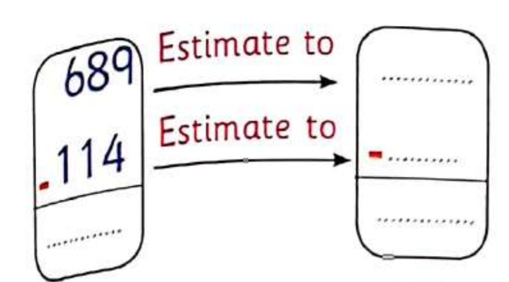


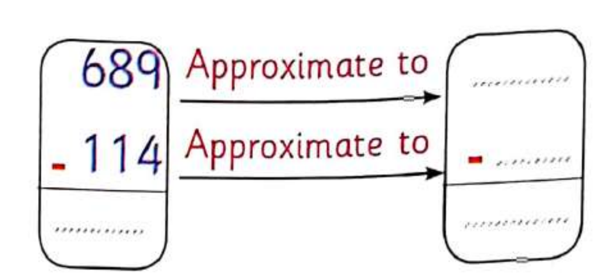
$\frac{1}{3}$



$\frac{1}{4}$

5 Complete and notice the difference between estimation and approximation and actual result :





Actual result :

689
- 114
....

6 Kenzy has 146 pounds , his father gave her 130 pounds. Find the total number .

The amount	Hundreds 100 pounds	Tens 10 pound	Ones 1 pound
....	....	....	....
....	....	....	....
The amount	....	....	....

Kenzy had = ... + ... = ... pound.

Bakkar activity

Bakkar exercises 5

1 Find the result :

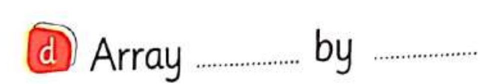
96 - 29	64 + 19	397 - 195	841 + 65	158 - 15
....	....	....	....	....

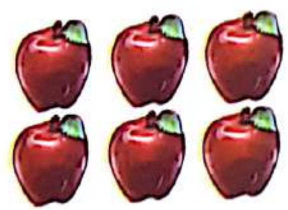
2 Complete :

a) 5 , 10 , 15 ....

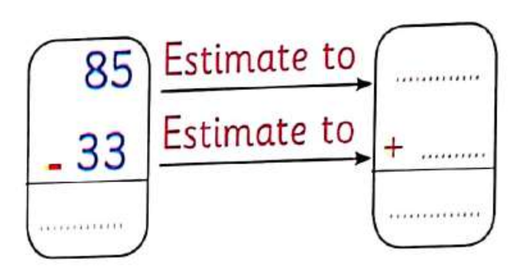
b)  The pattern ....

c) Is the result of (95 + ...) even number ?

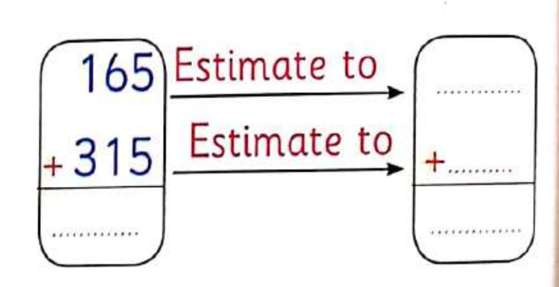
d) 
Array .... by ....



3 Estimate the result (using the place value) (left digit) :

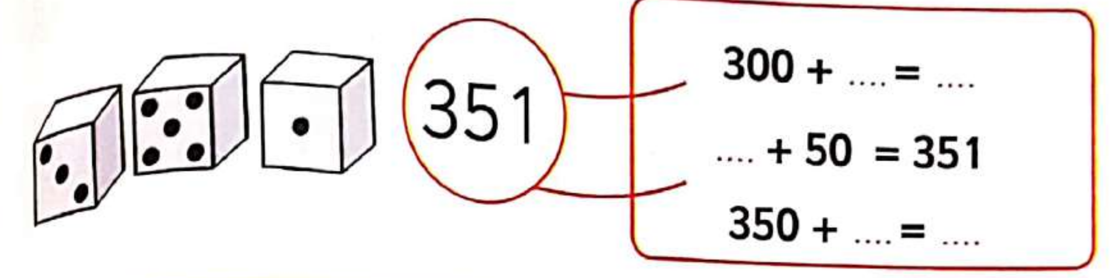


85	Estimate to →	....
- 33	Estimate to →	+ ....
....		....



165	Estimate to →	....
+ 315	Estimate to →	+ ....
....		....

4 When tossing regular dices and write the number Appearance on upper faces :

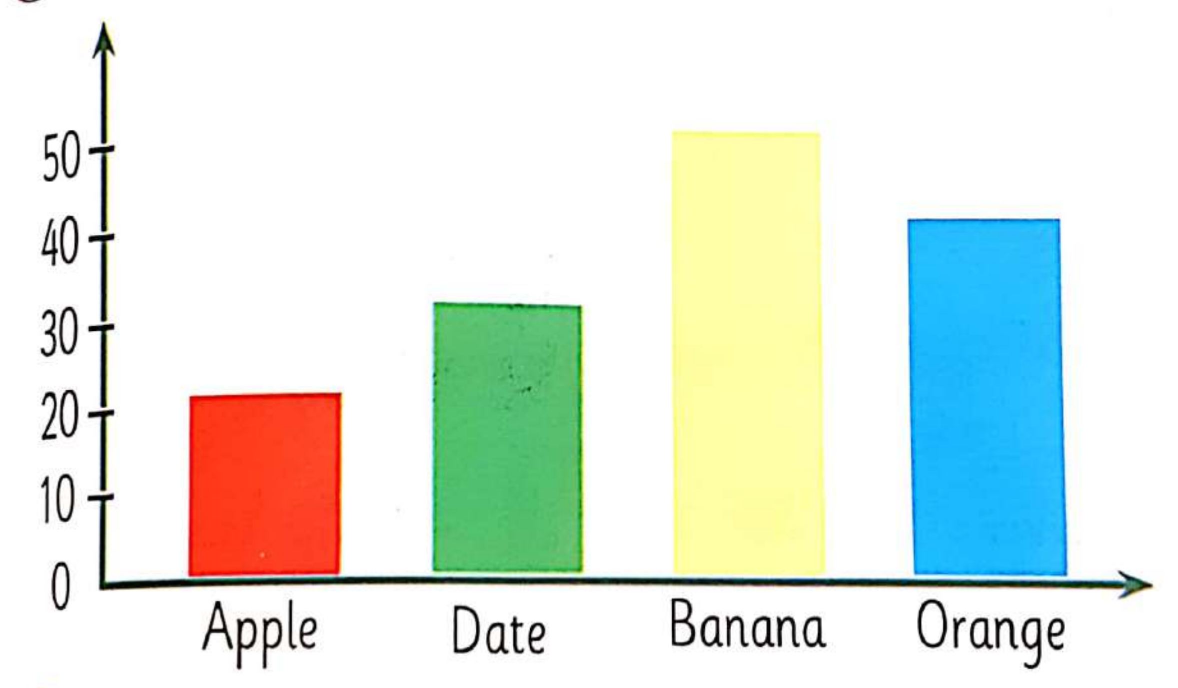


5 Write the fractions :

a The fraction representing the green house = ...

b The fraction representing the red house = ...

6 From the graph complete :



a How many oranges ? ....

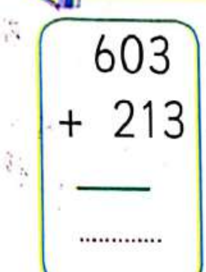
b How many apples and bananas together ? ....

c The difference between bananas and dates ? ....



Bakkar exercises 

1 Find the result :



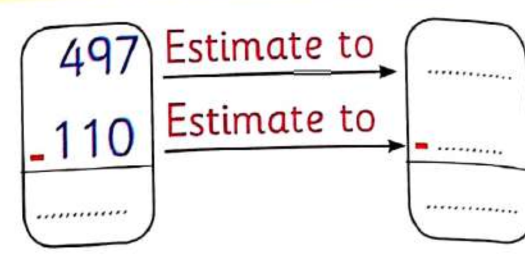
$$\begin{array}{r} 603 \\ +\ 213 \\ \hline \dots \end{array} \quad \begin{array}{r} 765 \\ +\ 85 \\ \hline \dots \end{array} \quad \begin{array}{r} 183 \\ -\ 92 \\ \hline \dots \end{array} \quad \begin{array}{r} 92 \\ -\ 19 \\ \hline \dots \end{array} \quad \begin{array}{r} 179 \\ -\ 160 \\ \hline \dots \end{array}$$

2 Estimate to nearest hundred , then find the result :

316 Estimate to → ....

\+ 173 Estimate to → + ...

....



497 Estimate to → ....

\- 110 Estimate to → - ....

....

3 Complete :

a) 1 , 3 , 5 , ... , ... , ... , ... The rule : ....

b) 80 , 75 , 70 , ... , ... , ... , ... The rule : ....

4 Mounir has 342 and his brother has 175 .

Find the total sum ?

solution The sum = ... + ... = ... pounds.

The sum	Hundreds 100 pounds	Tens 10 pound	Ones 1 pound
....	....	....	....
....	....	....	....
The sum	....	....	....

5 Complete :

ⓐ The number of row ....

The number of columns ....

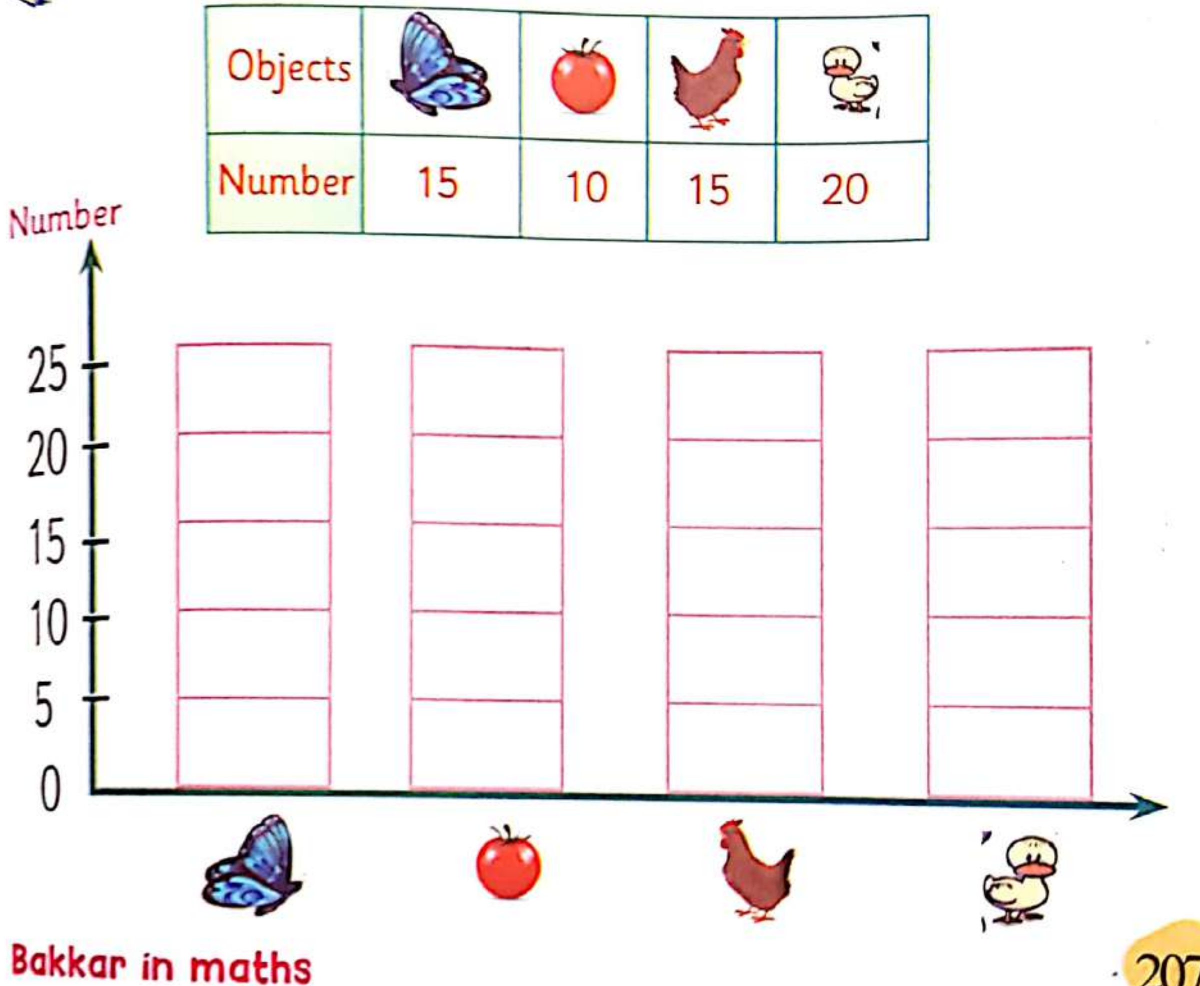
The array is .... by ....



ⓑ Asmaa has 3 pieces of cookies, if she ate 1 piece of them , write the fraction that represent for number of eating cookies .

Solution The fraction is..............

6 Using the table , colour the bar graph according to the table :



Objects				
Number	15	10	15	20

Bakkar activity

Bakkar exercises 7



1 Find the result :

(+)

Tens	Ones
3	8
5	7

(−)

Hundred	Tens	Ones
4	8	6
1	5	8

(+)

Hundred	Tens	Ones
5	8	7
3	0	4

2 Approximate the number using number line :

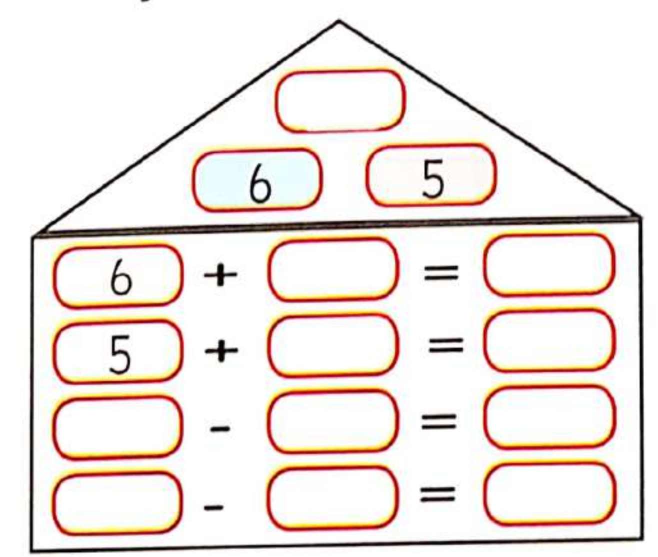
a) Approximate number 311 to nearest hundred is ....



b) Approximate number 88 to nearest tens is ....



3 Complete the fact house 5 , 6 , 11 :





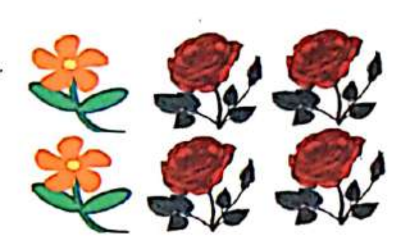
Marwan bought a magazine by , if he had
How many left of money with him ?

Solution The left of money = ... - .... = ...

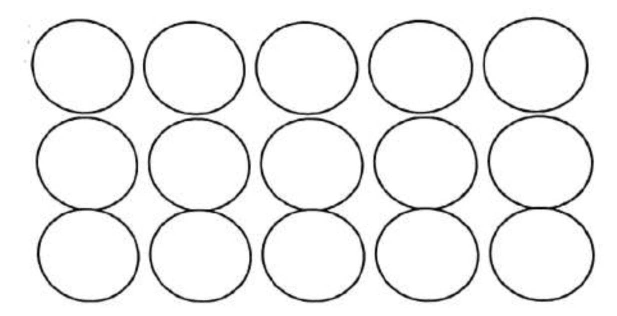


a Amira cuts 6 flowers to her daughters, there 4 red flowers from them and 2 flowers are yellow .
Write the fraction representing the red flowers ?

solution The fraction is ....



b Colour array 2 by 4





Complete :

a 32 + 18 =

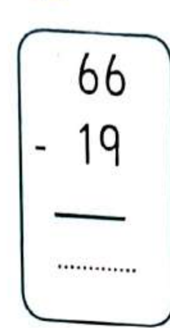
30 + ...
+ 10 + ...
.... + 10 = ...

b 47 + 13 =

40 + ...
+ 10 + ...
.... + 10 = ...

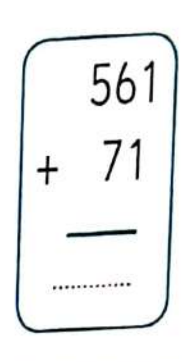
Bakkar exercises 8

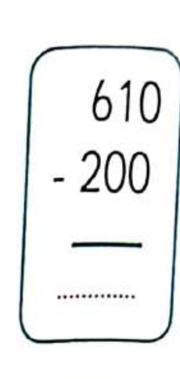
1 Find the result :



186
- 69
....

192
+ 94
....





2 Approximate the number by using the number line :

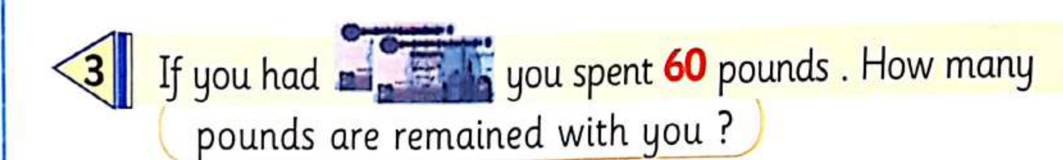
a Approximate the number **481** to nearest hundreds ....



b Approximate the number **43** to nearest tens ....



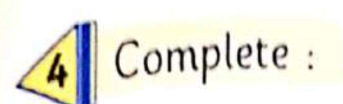
3



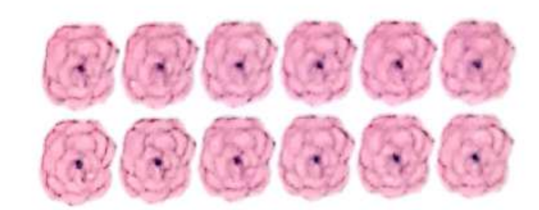
If you had [banknote] you spent **60** pounds . How many pounds are remained with you ?

Solution the remainder = ... ponds .

The amount	Hundreds 100 pound	Tens 10 pound	ones 1 pounds
....	....	....	....
....	....	....	....
The remained	....	....	....



4 Complete :



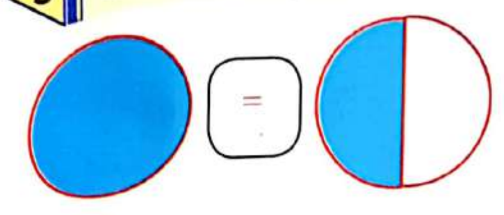
a) Number of rows ....

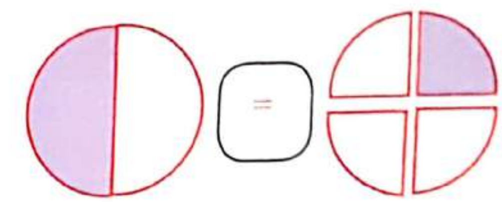
Number of columns ....

The array is .... by ....

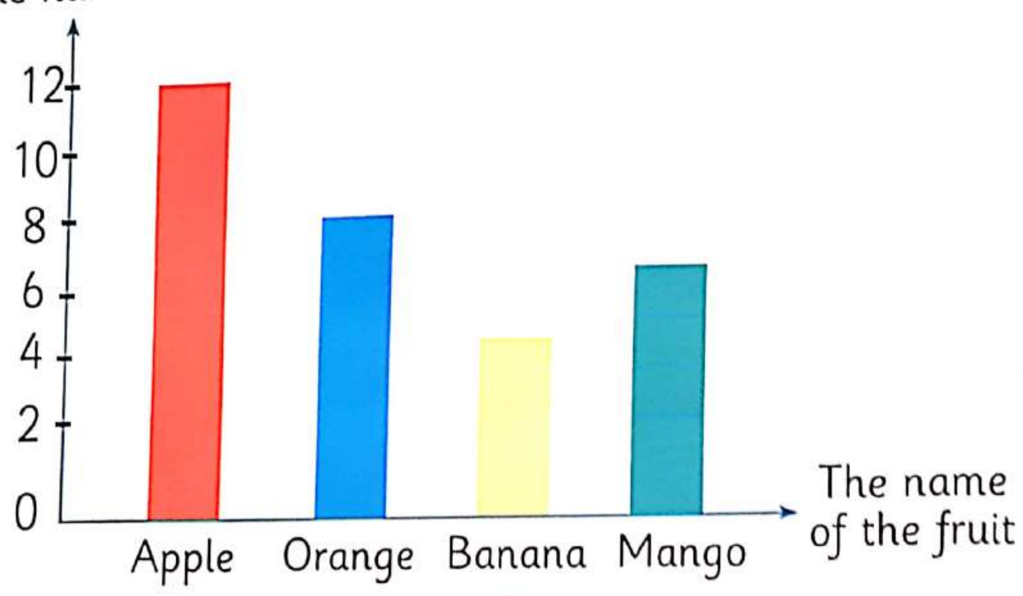
b) 2, 4, 6, ..., ..., ..., ... The ruler is: ....

5 Colour to get equal fraction :





6 From the graph complete :



a) The number of mangos (....) The number of apples .

b) The most favourite is ....

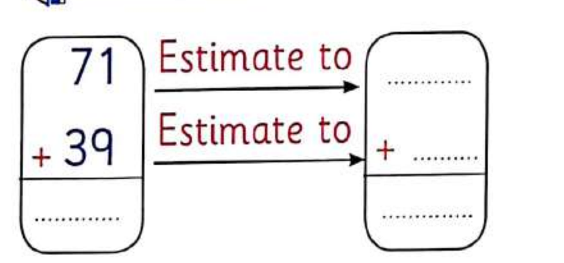
Bakkar activity

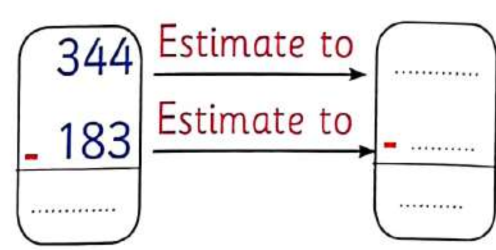
Bakkar exercises 9

1 Find the sum of amount :

The amount	Hundreds 100 pound	Tens 10 pound	Ones 1 pounds
365	....	....	....
49	....	....	....
The sum	....	....	....

2 Estimate the result (using the place value) = (left digit) :





3 Complete :

a) Number of rows ....

Number of columns ....

The array is .... by ....

b) Complete by (odd number) to make 100 :

* 97 , ...
* 51 , ...



4 Complete :

* The fraction represent red balls is ....
* The fraction represent blue balls is ....

b) A train hold 600 seats , 450 seats are busy

How many seats are empty ?

The number of empty seats = ... - .... = ... seat

5 Subtract mentally :

83 - 10 = ...

83 - 20 = ...

83 - 30 = ...

83 - 53 = ...

83 - 54 = ...

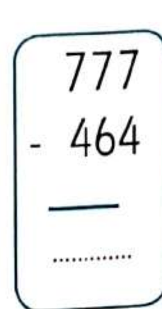
6 Find the result :

a) 66 + 18 = ☐ b) 144 − 94 = ☐

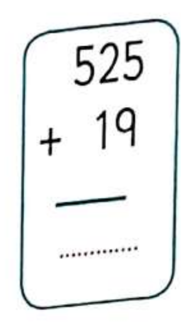
Bakkar exercises 10

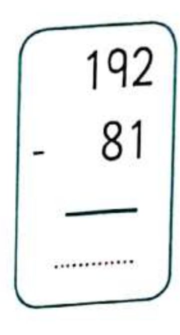


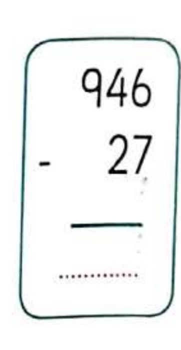
Find the result :



98
+ 89
....







2 Approximate using the number line :

a) Approximate the number **734** to nearest hundreds is ....



b) Approximate the number **71** to nearest tens is ....

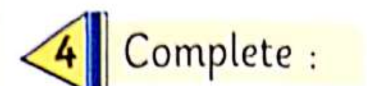


3 Colour $\frac{1}{3}$:









4 Complete :

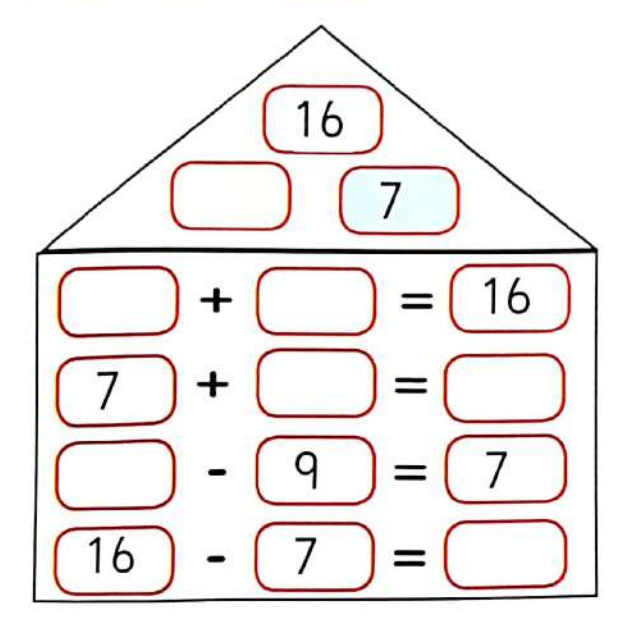
a +4 -3 +4 -3 ....

30 34 31

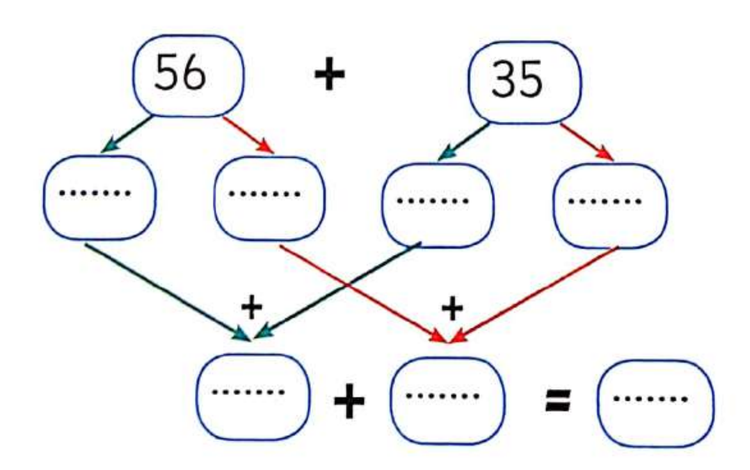
The ruler .... , ...

b ○□□○□□ The pattern .... , ...

5 Complete by fact house :



6 Find by decompose 56 + 35 = ... :



Bakkar exercises 11

1 Find the result :

	Tens	Ones
+	1	8
	7	1

	Hundred	Tens	Ones
-	7	5	5
	1	3	8

	Hundred	Tens	Ones
+	6	1	7
	1	0	4

2 Add 23 +6 by using number line :

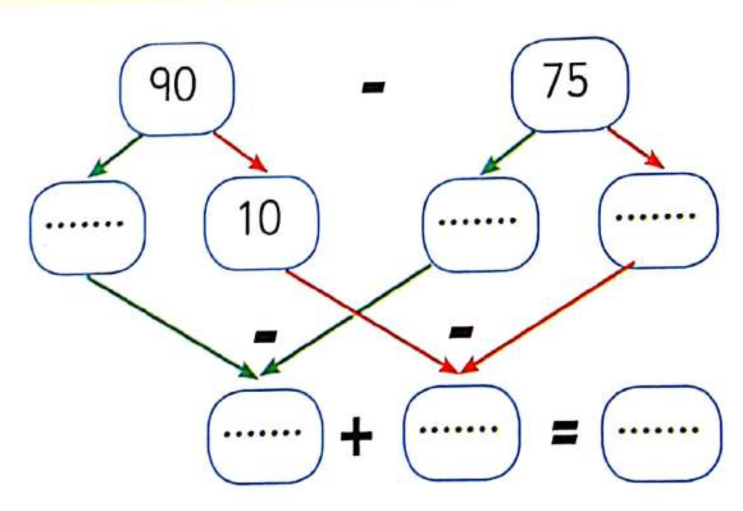
20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35

solution The result = ...

3 In one day there are 735 Visitors to the pyramids , 395 of them were Egyptians . How many Visitors were not Egyptians ?

solution The number of visitors = ... - .... = ... visitor

4 Find the result of 90 - 75 :



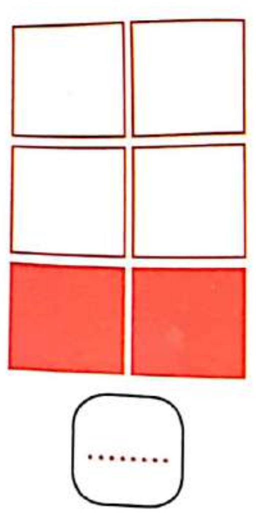


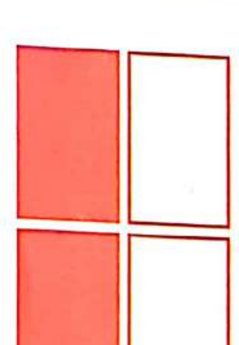
5 Join and complete :

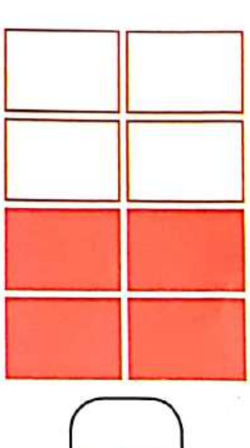
Ruler: - 10	4 , 14 , 24 , ……… , ……… , ……… , ………
Ruler: + 4	100 ,90 , 80 , ……… , ……… , ……… , ………
Ruler: +10	66 , 70 , 74 , ……… , ……… , ……… , ………

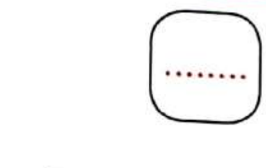


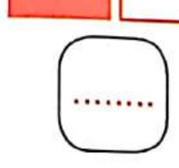
6 Write the fractions represent the shaded part :

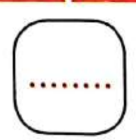


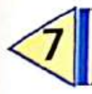












7 Complete :

a Number of rows 2 ……… + ……… = 6

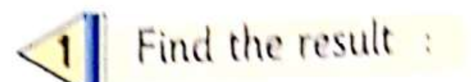
b Number of columns 3 ……… + ……… + ……… = 6

Then the array is ……… by ………





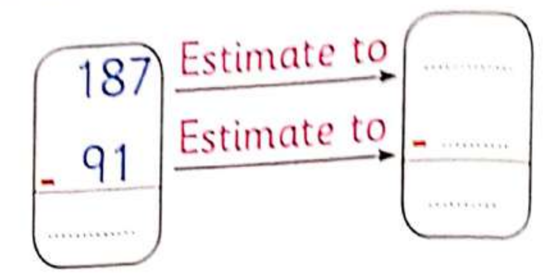
Bakkar exercises 12



1 Find the result :

	Tens	Ones
	6	7
+	1	6

	Hundred	Tens	Ones
	4	3	4
−	3	0	7



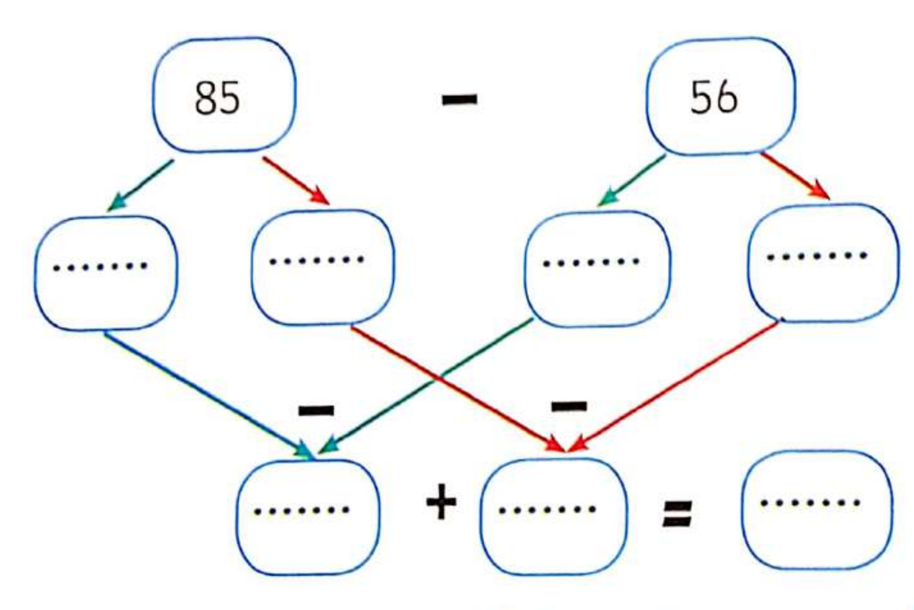
	Hundred	Tens	Ones
	8	9	5
+	1	0	4

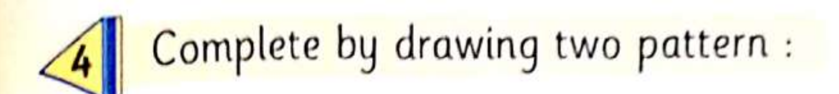
2 Estimate the result by using place value :

44 Estimate to ....
+ 18 Estimate to + ...
....

187 Estimate to ....
- 91 Estimate to - ....
....

3 Subtracted by decompose 85 - 56 = ... :





4 Complete by drawing two pattern :

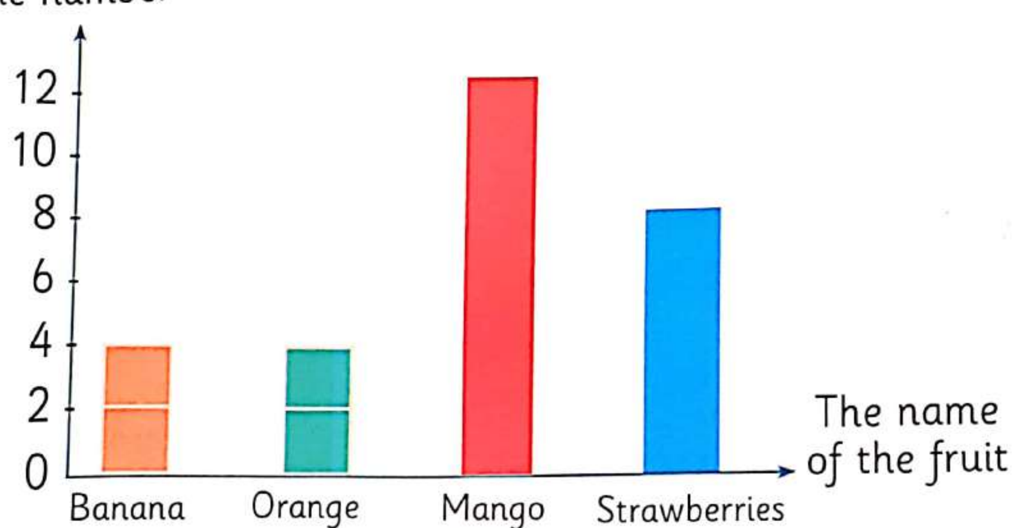
a) .... The pattern

b) .... The pattern

5 maha had 193 pounds , she bought objects by 75 pound .
How many pounds were left with her ?

solution The left = ... - .... = ... pound

6 Using the graph to complete :



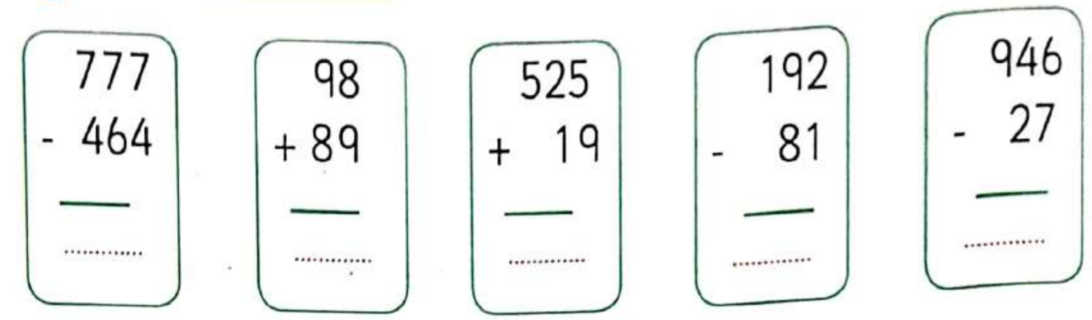
a) The number of banana (....) The number of Orange .

b) The fruit that has more representing is ....

c) The number of oranges and strawberries together is ....

Bakkar exercises 13

1 Find the result :

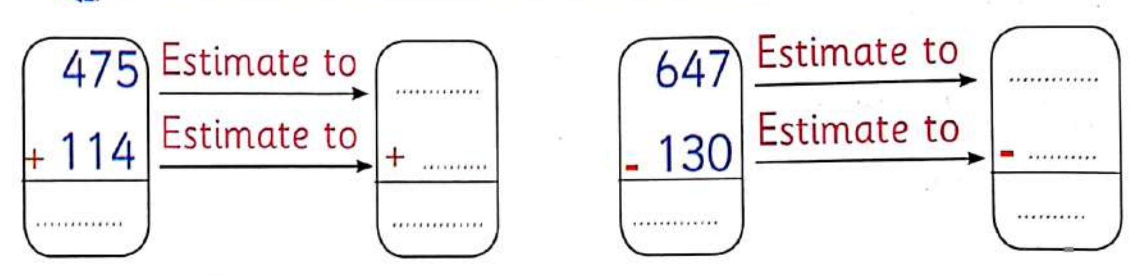


2 Subtract 34 - 9 by using the number line :

20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35

solution The result = ...

3 Approximate each number to nearest hundred :



4 The school has 438 boys and 509 girls . How many pupils were in the school ?

solution The result = ... + ... = ... pupils

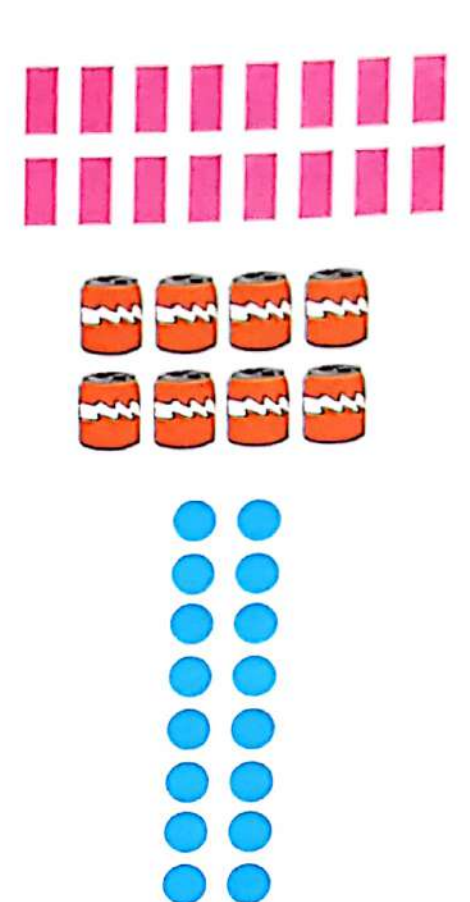


5 Join :

Array 8 by 2

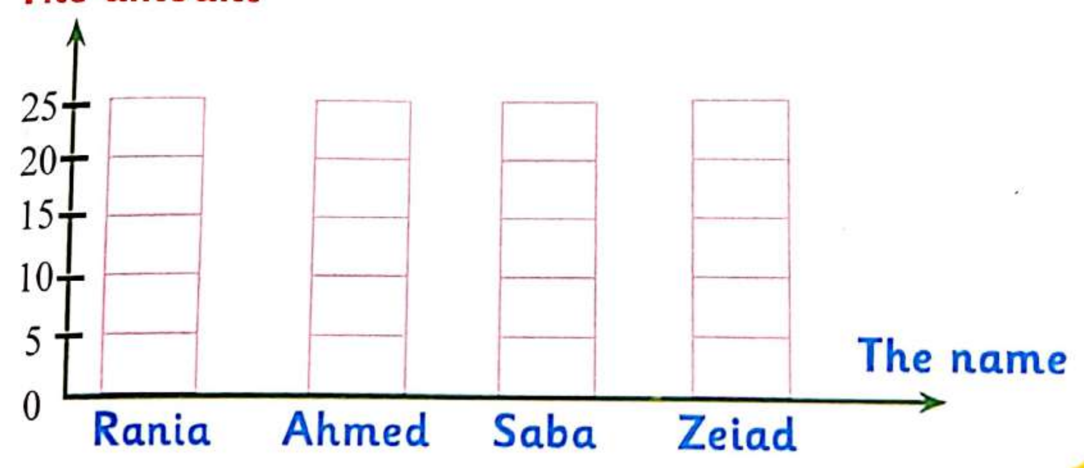
Array 2 by 8

Array 2 by 4



6 Colour the picture graph according to the table :

The name	Rania	Ahmed	Saba	Zeiad
The amount	15	10	5	20





1 Find the result :

$$\begin{array}{r} 591 \\ -\ 219 \\ \hline \end{array} \qquad \begin{array}{r} 463 \\ -\ 47 \\ \hline \end{array} \qquad \begin{array}{r} 354 \\ +\ 215 \\ \hline \end{array}$$

2 Join each pattern to suitable rule :

Pattern	Rule
5 , 9 , 13 , ... , ... , ... , ...	**The rule : -10**
90 , 80 , 70 , ... , ... , ... , ...	**The rule : +10**
10 , 20 , 30 , ... , ... , ... , ...	**The rule : + 4**

3 Write the fraction :

a) The fraction of numbers of small pie is ....

b) The fraction of greatest pie is ....

c) The fraction of all pie is ....







4 Colour for repressing array :







array .... by ....

5 A book has 564 pages , Ahmed read 194 pages , how many pages were left ?

solution Number of pages = ... - .... = ... page

6 Complete the table :

Colour of circles	Red	Blue	Green	Yellow
Number of circles	....	....	....	....

